Rockford Fosgate

RFX9100
RFX9100R
RFX9200
RFX9200R
RFX9300
RFX9300R
RFX9400
RFX9400R

Installation & Operation

RFX SERIES
SOURCE UNITS

Páginas de Referencia para la Instalación
Schéma d'Installation
Installations Beiblatt
Istruzioni di Installation

Dear Customer,

Congratulations on your purchase of the world's finest brand of car audio source units. At Rockford Fosgate we are committed to musical reproduction at its best, and we are pleased you chose our product. Through years of engineering expertise, hand craftsmanship and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your new Rockford Fosgate product installed by an Authorized Rockford Fosgate Dealer, as we provide specialized training through Rockford Technical Training Institute (RTTI). Please read your warranty and retain your receipt and original carton for possible future use.

To add the finishing touch to your new Rockford Fosgate image order your Rockford accessories, which include everything from T-shirts and jackets to hats and sunglasses.

To get a free brochure on Rockford Fosgate products and Rockford accessories, in the U.S. call 480-967-3565 or FAX 480-967-8132. For all other countries, call +001-480-967-3565 or FAX +001-480-967-8132.

PRACTICE SAFE SOUND™

Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered auto sound systems may produce sound pressure levels well over 130dB. Use common sense and practice safe sound.

If, after reading your manual, you still have questions regarding this product, we recommend that you see your Rockford Fosgate dealer. If you need further assistance, you can call us direct at 1-800-669-9899 Be sure to have your serial number, model number and date of purchase available when you call.

The serial number can be found on the outside of the box. Please record it in the space provided below as your permanent record. This will serve as verification of your factory warranty and may become useful in recovering your source unit if it is ever stolen.

Serial Number: _

Model Number: RFX-9200

0000135522-07

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GETTING STARTED

Welcome to Rockford Fosgate! This manual is designed to provide information for the owner, salesperson and installer. For those of you who want quick information on how to install this product, please turn to the ***Installation Section*** of this manual. Other information can be located by using the Table of Contents. We, at Rockford Fosgate, have worked very hard to make sure all the information in this manual is current. But, as we are constantly finding new ways to improve our product, this information is subject to change without notice.

NOTE: This manual uses abbreviations for the following terms:

TUNER = AM/FM Radio Tuner

CDP = In-Dash CD Player

CDX = CD Changer (*optional*)

AUX = External Auxiliary Input (RFX9200/9300/9400)

Visit our web site for the latest information on all Rockford products.

INTRODUCTION

Rockford Fosgate optimizes vicious features in the RFX source units for use in high performance car audio systems. A great tuner, a high performance CD player, and controls pioneered by Rockford Fosgate give you total control of your audio system!

The following sections contain information on the features, installation, and operation for the 9100, 9200, 9300, and 9400 source units. For comparisons within the RFX line, refer to the "Quick Look" feature chart in this manual. For long term reliability of your new Rockford Fosgate source unit, please read the Precautions section on the next page.

ACCESSORY PACK

RFX9100

Installation & Operation Manual
(1) Mounting Sleeve
(1) Back strap
(2) Chassis Release Keys
(1) Hardware Package
(1) 16-pin Power Harness
(1) Faceplate Case
(1) IR Remote Control

RFX9200

Installation & Operation Manual
(1) Mounting Sleeve
(1) Back strap
(2) Chassis Release Keys
(1) Hardware Package
(1) 16-pin Power/Aux-In Harness
(1) Faceplate Case
(1) IR Remote Control

RFX9300

Installation & Operation Manual
(1) Mounting Sleeve
(1) Back strap
(2) Chassis Release Keys
(1) Hardware Package
(1) 16-pin Power/Aux-In Harness
(1) Faceplate Case
(1) IR Remote Control

RFX9400

Installation & Operation Manual
(1) Mounting Sleeve
(1) Back strap
(2) Chassis Release Keys
(1) Hardware Package
(1) 16-pin Power/Aux-In Harness
(1) Faceplate Case
(1) IR Remote Control

SPECIFICATIONS

General	***9100/9200***	***9300/9400***
Operating Voltage	+10.8V – +16.0V DC	+10.8V – +16.0V DC
Standby Current	5mA Max	5mA Max
Operating Temperature	Receiver: -30°C to +70°C CD Player: -10°C to +65°C	Receiver: -30°C to +70°C CD Player: -10°C to +65°C
Dynamic Power Rating (IHF-202 Standard) per channel into a 4Ω load	40 watts x 4	40 watts x 4
RMS continuous power per channel, all channels driven into a 4Ω load from 20-20,000Hz with less than 0.1% Total Harmonic Distortion (THD)	25 watts x 4	25 watts x 4
Speaker Impedance	4Ω – 8Ω	4Ω – 8Ω
Preamp Output Voltage	>2.0V RMS @ 0.5% THD	5V RMS @ 0.5% THD
Sum Preamp Output Voltage*	>2.0V RMS @ 0.5% THD	5V RMS @ 0.5% THD
Preamp Output Impedance	<100Ω	<110Ω
Equalization	Bass: ±10dB @ 60Hz Treble: ±8dB @ 15kHz	Bass: ±10dB @ 60Hz Treble: ±8dB @ 15kHz
IR Receiver Eye Range	±45° off axis	±45° off axis
Overall Dimensions (with trim-ring)	Height: 2-9/32" (58mm) Width: 7-13/32" (188mm) Depth: 7-1/4" (183.7mm)	Height: 2-9/32" (58mm) Width: 7-13/32" (188mm) Depth: 7-1/4" (183.7mm)
Nosepiece Dimensions (without trim-ring)	Height: 1-27/32" (46.5mm) Width: 6-3/4" (171.5mm) Depth: 13/16" (20.2mm)	Height: 1-27/32" (46.5mm) Width: 6-3/4" (171.5mm) Depth: 13/16" (20.2mm)
Weight (9100, 9200, 9300, 9400)	3.13lbs (1.42kg)	3.13lbs (1.42kg)

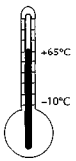
FM Tuner	
Tuning Range	
Americas	87.5 ~ 107.9MHz (200kHz spacing)
Eur/Aus	87.5 ~ 108MHz (50kHz spacing)
Frequency Response	30Hz – 12kHz
Usable Sensitivity	10dB (S/N 30dB)
IF Rejection	90dB
Image Rejection	50dB
Signal-to-Noise Ratio	60dB
Distortion	< 0.5%
Channel Separation	≥ 25dB @ 1kHz
Suppression	35dB

AM Tuner	
Tuning Range	
Americas	530 ~ 1710kHz (10kHz spacing)
Eur/Aus	522 ~ 1620kHz (9kHz spacing)
Sensitivity	20dBf max @ 10dB sensitivity
-6dB Bandwidth	5kHz min – 12kHz max

CD Player	
Compatible Discs	5" or 3"
Frequency Response	20Hz – 20kHz (±3dB)
Signal-to-Noise Ratio	>90dB (preamp output w/ 22kHz LP filter)
Distortion	<0.5%
Channel Separation	86dB (preamp output w/ 22kHz LP filter)
Dynamic Range	100dB

IR Remote	
Operation Voltage	+3V DC
Transmitting Range	20 ft (variable in sunlight)
Battery Replacement	(1) CR2025 +3V Lithium
Dimensions	3-3/8"(H) x 2-1/8"(W) x 9/32"(D) (85.6mm x 54mm x 7mm)

SOURCE UNIT & OPTIONAL CD CHANGER

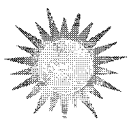


Operating Temperature

Be sure the temperature inside the vehicle is between –10° C and +65° C (+14° F and +149°F). **DO NOT** play a disc if the temperature is higher or lower than the operating range.

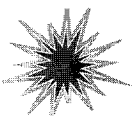
Moisture Condensation

The CD playback may waver due to condensation. If this occurs, remove the disc from the source unit and wait approximately an hour for the moisture to evaporate.



Environment Exposure

DO NOT expose the Source Unit or optional CD Changer to any of the following: direct sun and heat, high humidity, excessive dust, excessive vibration and rain or water.



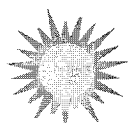
Handling the Detachable Faceplate

DO NOT drop or cause shock to the faceplate as serious damage may occur. Protect the faceplate by storing it in the supplied carrying case.

Avoid Mechanical Malfunction

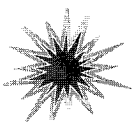
DO NOT grab a disc while it is being automatically loaded into the source unit. Doing this may cause serious damage to the playback mechanism.

IR REMOTE



Environment Exposure

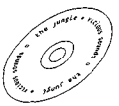
DO NOT expose the IR Remote to any of the following: direct sun and heat, high humidity and rain or water.



Handling the IR Remote

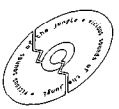
DO NOT drop or cause shock to the IR Remote as serious damage may occur.

COMPACT DISCS



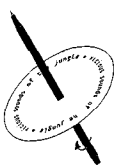
Disc Handling and Care

DO NOT touch the playing side (opposite of label side) of the disc. When handling the disc, only the outer edges or center hole of the disc should be touched. **DO NOT** affix any sticker or label to the disc. **DO NOT** apply vinyl record spray, anti-static agent, acetone, or any other volatile chemicals to the disc.



Damaged Disc

DO NOT play a cracked, warped, or damaged disc. Doing this may cause serious damage to the playback mechanism.



New Discs

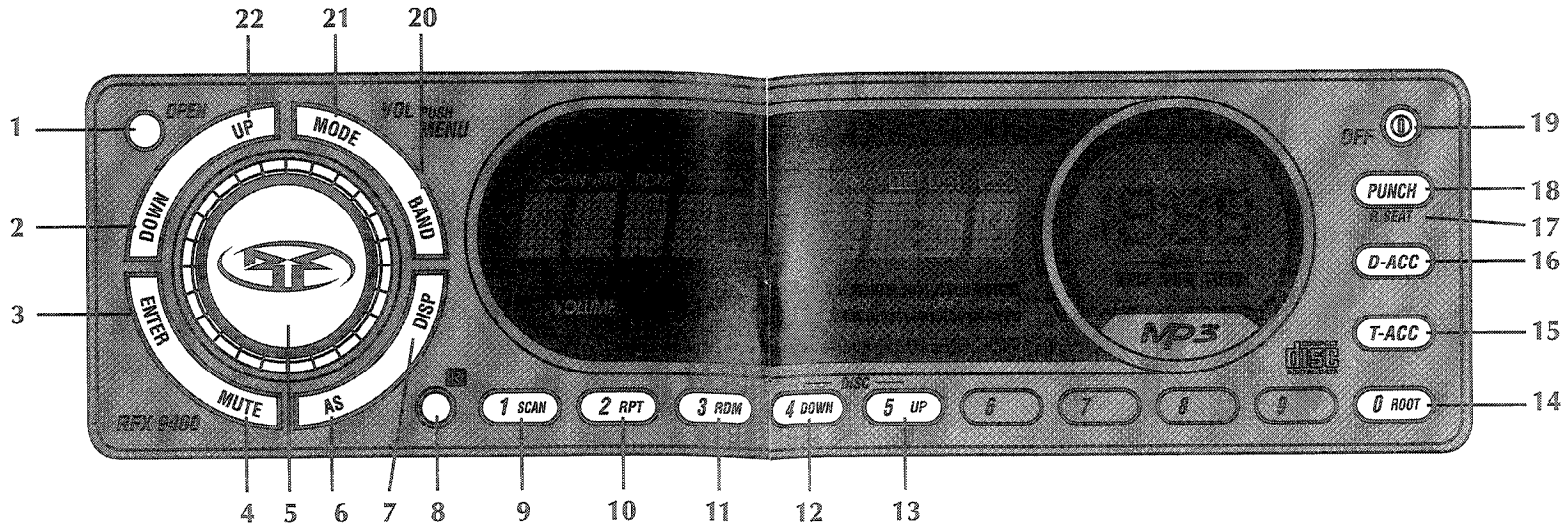
The CD player will eject discs that have either been inserted incorrectly or have irregular surfaces. If a new disc is ejected after loading, feel around the outer edge of the CD and its center hole. Any small burrs or irregularities could inhibit proper loading of the disc. To remove the burrs, rub the inside edge of the hole and outside edge of the disc with an object such as a ball point pen.

QUICK LOOK FEATURES

FEATURES	RFX9100	RFX9200	RFX9300	RFX9400
Control/Lighting/Appearance				
Detachable Faceplate	X	X	X	X
ISO Din Mounting w/ Removable Trim Panel	X	X	X	X
Multi Function Volume Knob	X	X	X	X
Any Button Wake-Up	X	X	X	X
Time of Day Clock	X	X	X	X
Programmable Default Display	X	X	X	X
Negative Image LCD Display	X	X	X	X
Rear Seat Audio Controls	-	-	-	X
Illumination "ON" w/ Ignition	X	X	X	X
Display Back Lighting	Multicolored	Multicolored	Multicolored	Multicolored
IR Remote Included	X	X	X	X
Tuner				
World Wide Tuning	X	X	X	X
AM mono/FM stereo	X	X	X	X
FM Noise Blanker	X	X	X	X
Auto Blend / Roll Off	X	X	X	X
Multi-Path Interference Rejection	X	X	X	X
20 FM / 10 AM Presets	X	X	X	X
FM1/FM2/AM	X	X	X	X
Auto Store Non-Volatile Presets	X	X	X	X
AM/FM Seek	X	X	X	X
AM/FM Manual Tuning	X	X	X	X
AM/FM Scan	X	X	X	X
Pause (MUTE)	X	X	X	X
Programmable Station Titles	-	X	X	X
CD Player				
Dual 1-bit D/A Converters w/ 8 x oversampling	X	X	X	X
Ignition Off Disc Load/Eject	X	X	X	X
Repeat Mode	X	X	X	X
Random Play (CD)	X	X	X	X
Track Scan	X	X	X	X
Fast Forward/Reverse	X	X	X	X

FEATURES (Cont'd.)	RFX9100	RFX9200	RFX9300	RFX9400
Next/Previous Track	X	X	X	X
Programmable Eject Mute Off	X	X	X	X
Insert Disc Power Up/Play	X	X	X	X
Pause/Resume Play	X	X	X	X
Programmable Disc Titles	-	X	X	X
MP3 PLayback via CDR	-	-	X	X
Preamp/Power				
Source Tone Memory	X	X	X	X
Switchable Loudness	X	X	X	X
Electronic Volume, Tone, Balance	X	X	X	X
Internal Audio Amplifier	25 watts RMS (40 max) x 4	25 watts RMS (40 max) x 4	25 watts RMS (40 max) x 4	25 watts RMS (40 max) x 4
Number of Pre-outs	4 RCA	6 RCA	6 RCA	8RCA
Front/Rear Sum Pre-out	-	X	X	X
Pre-out Voltage	>2.0 VRMS	>2.0 VRMS	5 VRMS	5 VRMS
Low Source Impedance	< 100Ω	< 100Ω	<50Ω	<50Ω
External Audio Inputs (AUX-IN)	-	X	2	2
Remote Functions				
Tuner, CD and Changer Mode	X	X	X	X
Volume Up/Down	X	X	X	X
Seek (Track) Up/Down	X	X	X	X
Fast Forward/Reverse	X	X	X	X
Tune (Disc) Up/Down	X	X	X	X
Pause/Resume Play	X	X	X	X
Direct Preset Access	X	X	X	X
Direct Track Access	X	X	X	X
CD Changer Control				
CD Changer Controller	X	X	X	X
Rear Seat Audio Controls	-	-	-	X
Changer Repeat Mode	X	X	X	X
Changer Random Play	X	X	X	X
Pause/Resume Play	X	X	X	X
Changer Track Scan	X	X	X	X
Changer Disc Scan	X	X	X	X

Source Unit Features



1 **OPEN** – Opens the faceplate and ejects CDs from the in-dash CD player.

2. **DOWN** – Selects the previous radio station in TUNER mode and selects the previous track in CDP/CDX mode.

3. **ENTER** – Enables tracks in MP3 mode (9300 and 9400 models only).

4. **MUTE** – Mutes the audio in TUNER and AUX* modes, and pauses the disc in CDP/CDX mode.

5. **VOLUME** – When pressed, selects between VOLUME, BASS, TREBLE, BALANCE, FADER, and SUM** modes.

6. **AS** – Press to store the strongest radio stations in each tuner bank in AUTO STORE mode.

7 **DISP** – Toggles between different display features in main display; when pressed and held for 1 second, toggles clock between hours and minutes.

8. **R** – Infrared eye for remote operation.

9. **PRESET 1/SCAN** – Selects radio preset #1 in TUNER mode and scans each track on the disc in CDP/CDX mode.

10. **PRESET 2/RPT** – Selects radio preset #2 in TUNER mode and repeats the current track in CDP/CDX mode.

11 **PRESET 3/RDM** – Selects radio preset #3 in TUNER mode and selects tracks at random in CDP/CDX mode.

12. **PRESET 4/DOWN** – Selects radio preset #4 in TUNER mode and the previous track in CDP Mode. Selects previous disk in CDX Mode.

13. **PRESET 5/UP** – Selects radio preset #5 in TUNER mode and the next track in CDP Mode. Selects previous disk in CDX Mode.

14. **PRESET 0/ROOT** – Selects radio preset #0 in TUNER mode and returns unit to root directory in MP3 mode (9300 and 9400 models only).

15. **T-ACC** – Allows you to enter the track number you want manually

16. **D-ACC** – Allows you to enter the disc number you want up to 8 discs (available only for 8 disc player).

17 **R.SEAT** – Enables passengers in rear seat to disable rear speakers and listen to secondary audio source (tuner, CD player, Nintendo, etc.) via headphones (9400 model only).

18. **PUNCH** – Enables bass and treble response to be boosted at all volume levels.

19 **OFF** – Turns the source unit on and off.

20. **BAND** – Selects which bank of tuner presets (FM1/FM2/AM) should be active.

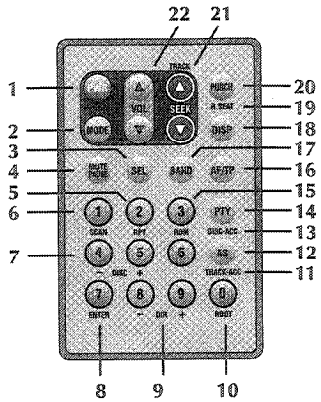
21 **MODE** – Selects between TUNER/CDP/CDX/AUX* modes.

22. **UP** – Selects the next radio station in TUNER mode and selects the next track in CDP/CDX mode.

IMPORTANT: The communication BUS used in Rockford Fosgate models RFX9100/9200/9300/9400 is used only for CD changer model RFX8810 and is not backward compatible with older RFX models. Rockford Fosgate recommends connecting only the appropriate RFX models together. Rockford Fosgate does not assume responsibility when using other manufacturers' source units with Rockford Fosgate CD changers (or vice versa).

** Feature not available on 9100*
***Features available on RFX9200/9300/9400 only*

IR REMOTE DESIGN FEATURES



1. **POWER** – Turns the source unit on and off.
2. **MODE** – Selects between TUNER, CDP, CDX, and AUX* modes.
3. **SEL** – Selects between VOLUME, BASS, TREBLE, BALANCE, FADER, and SUM** modes.
4. **MUTE/PAUSE** – Mutes the audio in TUNER and AUX* modes, and pauses the disc in CDP/CDX mode.
5. **RPT** – Repeats the track in CD/CDX mode.
6. **SCAN** – Scans each track on the disc in CDP/CDX mode.
7. **DISC (–/+)** – Manually tunes the radio station in TUNER mode and the previous/next disc in CDX mode.
8. **ENTER** – Returns unit to root directory in MP3 mode (9300 and 9400 models only).
9. **DIR** – Cycles up and down through the directory in MP3 mode (9300 and 9400 models only).
10. **ROOT** – Enables tracks in MP3 mode (9300 and 9400 models only).
11. **TRACK ACC** – Directly accesses the desired track in the in-dash CD player.
12. **AS** – Press to store the strongest radio stations in each tuner bank in AUTO STORE mode.
13. **DISC ACC** – Directly accesses the desired CD in the optional CD changer.
14. **PTY** – Allows priority broadcasts to interrupt all other functions in international units only.
15. **RDM** – Selects tracks at random in CDP/CDX mode.
16. **AF/TP** – Allows genre music selection on international units only.
17. **BAND** – Selects which bank of tuner presets (FM1, FM2, or AM) should be active.
18. **DISP** – Toggles between different display features in main display; when pressed and held for 1 second, toggles clock between hours and minutes.
19. **R.SEAT** – Enables passengers in rear seat to disable rear speakers and listen to secondary audio source (tuner, CD player, Nintendo, etc.) via headphones.
20. **PUNCH** – Enables bass response to be boosted at low and high levels.
21. **SEEK/TRACK** ▲/▼ – Selects the previous/next radio station in TUNER mode and selects the previous/next track in CDP/CDX mode.
22. **VOL ▲ / ▼** – Controls VOLUME, BASS, TREBLE, BALANCE, FADER, and SUM**.

NOTE: 0-9 BUTTONS select presets 1-10 in TUNER mode, selects tracks in CDP/CDX mode, and selects discs in CDX mode.

** Feature not available on 9100*
***Features available on RFX9200/9300/9400 only*

Installation Considerations

The following is a list of tools needed for installing the Source Unit:

Volt/Ohm Meter	#2 Phillips screwdriver
Wire strippers	Battery post wrench
Wire crimpers	Soldering iron
Wire cutters	Solder
1/8" diameter heatshrink tubing	Heat gun

This section focuses on some of the vehicle considerations for installing your new Source Unit. Pre-planning your system layout and best wiring routes will save installation time. When deciding on the layout of your new system, be sure that each component will be easily accessible for making adjustments.

Before beginning any installation, be sure to follow these simple rules:

1 Be sure to carefully read and understand the instructions before attempting to install the Source Unit.

2. **For safety,** disconnect the negative lead from the battery prior to beginning the installation.

3 For easier assembly, we suggest you run all wires prior to mounting your Source Unit in place.

4. Route all of the RCA cables close together and away from any high current wires.

5 Use high quality connectors for a reliable installation and to minimize signal or power loss.

6. **Think before you drill!** Be careful not to cut or drill into gas tanks, fuel lines, brake or hydraulic lines, vacuum lines or electrical wiring when working on any vehicle.

7 Never run wires underneath the vehicle. Running the wires inside the vehicle provides the best protection.

8. Avoid running wires over or through sharp edges. Use rubber or plastic grommets to protect any wires routed through metal, especially the firewall.

9 **ALWAYS** protect the battery and electrical system from damage with proper fusing. Install the appropriate fuse holder and fuse on the +12V power wire within 18" (45.7 cm) of the battery terminal.

10. When grounding to the chassis of the vehicle, scrape all paint from the metal to ensure a good, clean ground connection. Grounding connections should be as short as possible and always be connected to metal that is welded to the main body, or chassis, of the vehicle.

SOURCE UNIT MOUNTING LOCATIONS

The mounting position of your source unit will have a great effect on the performance of your in-dash CD Player. The source unit can be installed in a wide range of operating locations. However, care should be taken to ensure optimum performance.

Engine Compartment

Mounting the source unit in the engine compartment will **void your warranty.** Doing so will not only cause severe damage to your new source unit...but will immediately promote you to "customer of the month" in our technical support department.

Instrument Panel

Mounting the source unit in the **instrument panel provides optimum access.** The source unit should be securely mounted using the "Standard Mount" or "ISO Mount" method to ensure optimum CD Player performance.

Center Console

Mounting the source unit in the **center console provides optimum access.** Be sure the installation does not interfere with the operation of the gear shift or parking brake. **The source unit should have a mounting angle within ±20° from horizontal.**

Glove Box

Mounting the source unit in the **glove box is adequate,** but does not provide easy access. Glove box mounting should only be done if "Instrument Panel" or "Center Console," mounting is not acceptable (i.e., maintaining integrity of older vehicles with metal dashboards.) **The source unit should be mounted within ±20° from horizontal.**

Under Dash

Mounting the source unit **under the dash is adequate,** but does not provide easy access. Under dash mounting should only be done if "Instrument Panel," "Center Console" or "Glove Box" mounting is not acceptable. Mount the source unit off to the side of the driver's area to reduce interference with the parking brake, gear shift, or operating pedals. **The source unit should be mounted within ±20° from horizontal.**

WIRING THE SYSTEM

NOTICE: If you do not feel comfortable with wiring your new source unit, please see your local Authorized Rockford Fosgate Dealer for installation.

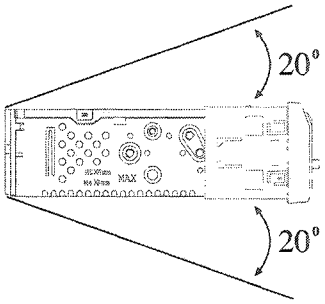
- **For safety,** disconnect the negative lead from the battery prior to beginning the installation.

1. **Install the 16-Pin Power Harness** by connecting the corresponding wires to the electrical and audio system. Solder and heat shrink all connections for a reliable installation. For each connection, cut a 1" piece of heat shrink tubing and slide over one of the wires. Strip each wire 3/8" then twist together and solder. Slide the tubing over the connection and shrink the tubing with a hot air gun until no bare wire is exposed.
2. **Connect the BLACK wire to chassis ground.** Prepare the chassis ground by scraping any paint from the metal surface and thoroughly clean the area of all dirt and grease. Strip the end of the wire and attach a ring connector. Fasten the wire to the chassis using a non-anodized screw and star washer.
3. **Connect the YELLOW wire to a source of constant +12V (for retaining memory on user-programmed functions).** Connect the Yellow wire to a constant +12 volt positive source. The source should always have +12V, even when the ignition is off and the car is not running.
4. **Connect the RED wire (Ignition) to a source of switched +12V (is on only when ignition key is in "accessory" or "run" position).** Connect the RED wire to a switched +12 volt positive source. The switched signal is usually taken from the ACC (accessory) position of the ignition. If the vehicle does not have an ACC position, connect the wire to the switched ON position of the ignition. The current consumption through this wire is negligible.
5. **Connect the ORANGE wire to the lighting switch terminal.** This will dim the main display by 30% when the headlights are turned on.
6. **Connect the LT. BLUE wire to the "Remote Turn-On" leads of the amplifier(s).** This will turn-on the external amplifiers when the source unit is powered on.
7. **Connect the BLUE/RED wire to the "Power Antenna" lead.** This will raise a fully automatic antenna when the source unit is powered on, but only when the unit is in Tuner Mode.
8. **Connect the pink wire for cell phone mute** to the wire on the cell phone harness that provides ground when the phone rings.
9. **Connect the B+, GND and Remote Turn on Wires on the 16 pin harness according to the Installation Reference Sheet.**
10. **Connect the AUX* to the external audio source (this inserts the audio before the volume control on the source unit).** The input voltage this circuit can accept is 1–3V RMS.

    Connect the Speaker Wires (if external amplifiers are not used) to the corresponding speaker leads by soldering and heat shrinking all connections for a reliable installation. If only one pair of speakers is utilized in the system, use only the FRONT speaker leads and heat shrink the unused REAR leads to prevent from shorting out. Be sure to maintain speaker polarity. **DO NOT chassis ground any speaker leads as unstable operation may result.**
11. **Install the Preamp Output Harness** (if external amplifiers will be used) by plugging the RCA cables into the corresponding extension RCAs that feed the input of the amplifiers. Be sure to route the signal cables away from any high current wires to prevent coupling noise from radiated electrical fields into the audio signal. The **FRONT RCAs** connect to the Front speaker's amplifier. The **REAR RCAs** connect to the Rear speaker's amplifier. The **SUM** RCAs** connect to the Subwooter amplifier.
12. **Connect the CD Changer (*optional*)** by plugging the 8-pin DIN cable into the connector located at the rear of the source unit.
13. **Connect the Antenna** by plugging the antenna cable into the connector located at the rear of the source unit. Be sure the antenna is securely grounded to the vehicle for proper radio reception.

Source Unit Installation

Using the Installation Sleeve – Standard Mount

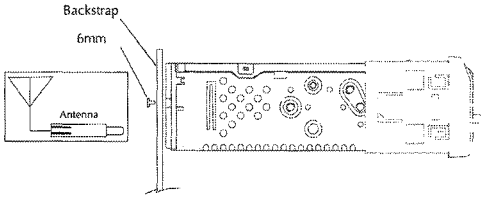


- **Mount the Installation Sleeve** into a secure instrument panel.

> NOTE: Make sure to mount the Source Unit as close to **horizontal** as possible for optimum CD Player performance. Mounting Angles of up to ±20° from horizontal can be accommodated.

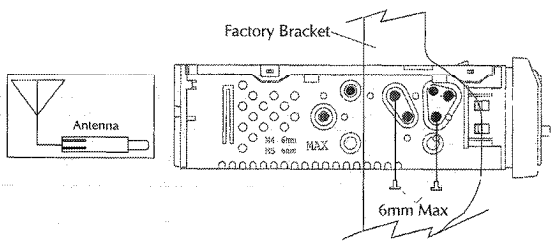
- **Bend Tabs** on the installation sleeve which correspond to the chart above.
- **Bend Appropriate Tabs** on all sides of the mounting sleeve.

Installing the Source Unit – Standard Mount



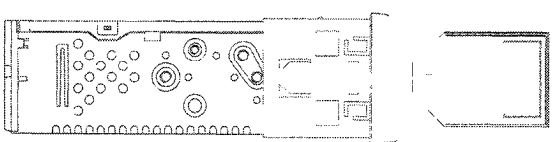
- **Install Source Unit** by sliding unit into installation sleeve until it clicks into place.
- **Mount Back strap** securely behind the instrument panel to prevent source unit vibration.
- **Back strap Screw** should be 6mm max (use supplied screw).
- **Connect Antenna** to antenna jack on rear of source unit.

Installing the Source Unit – ISO-DIN Mount



- **Remove Trim Piece** and Installation Sleeve from source unit.
- **Factory Bracket** should align with two mounting holes on each side of source unit.
- **ISO Screws** should be 6mm max (use supplied screws).
- **Connect Antenna** to antenna jack on rear of source unit.
- **Install Source Unit** into instrument panel.

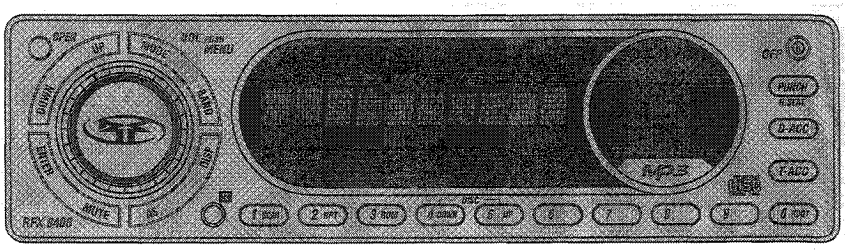
Uninstalling the Source Unit – Standard Mount



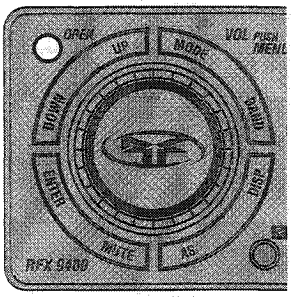
- **Disconnect Back strap** from rear of radio (if used).
- **Insert Release Keys** into left and right sides of source unit to disengage locks.
- **Remove Source Unit** from installation sleeve with release keys.

DETACHABLE FACEPLATE

The faceplate is detachable as a theft deterrent.



To Detach the Faceplate



1. Press the Open Button to cause the faceplate to slide down and forward.
2. Press the release button on the bottom front edge of the faceplate and slide the faceplate away from the unit.
3. The faceplate bracket will automatically close after 5 seconds.

To Attach the Faceplate

1. Make sure that the faceplate bracket is in the closed position.
2. Press the faceplate against the front of the unit until it clicks into place.

   CAUTION: Do not attempt to attach the faceplate to the faceplate bracket when the bracket is in the open position when operating in manual mode. You may cause damage to the mechanism that may void your warranty

3. If desired, the faceplate can be permanently attached by affixing it to the bracket with the screw provided.

RESET BUTTON

1. Follow the instructions above to detach the faceplate.
2. Insert a paper clip or other slender object into the Reset Button hole in the lower left corner of the unit and gently press it in until the button clicks.

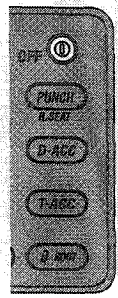
   CAUTION: Do press the Reset Button too hard or you may cause damage that may void your warranty. If you need assistance, please consult an Authorized Rockford Fosgate Dealer.

Button Descriptions

The list below shows the default settings for Setup Options. The bracketed options are the alternate options contained within each Setup Option. To select these alternates, see Selecting Tuner Options on page 30.

- **VOLUME** — adjusts volume for all.
- **UP/DOWN** — is the auto search feature: press the Up or Down Button once and the Tuner will rapidly proceed to the next station. Press and hold either the Up or Down button and you can manually search up or down at a rate of one digit per click (pressing and holding the Up or Down button will allow rapid searching).
- **MODE** — Cycles through CDP PLAY > CDX (if connected) > AUX1 > AUX2 > [BAND]*.
- **BAND** — Cycles through FM1 > FM2 > AM.
- **DISP** — Toggles between different display features in main display; when pressed and held for 1 second, (1) toggles clock between hours and minutes, or (2) immediately pressing MODE button allows selection of the default Display by toggling between Tuner frequency (or track time in CD Mode) and disc or station name, if titled (see pages 24 or 32 for Titling information).
- **AS** — Allows you to automatically store the 10 strongest local signals available.
- **MUTE** — Pauses the CD Player and mutes the Tuner.
- **ENTER** — Enables tracks in MP3 mode (9300 and 9400 models only).
- **1–10** — Self-programmable radio presets.
- **SCAN** — Scans each track on the disc in CDP/CDX mode.
- **RPT** — Continuously repeats the current CD track until pressed a second time.
- **RDM** — Randomly selects CD tracks.
- **DOWN** — Lowers the frequency of the Tuner; acts as backward on CD tracks.
- **UP** — Raises the frequency of the Tuner; acts as forward on CD tracks.
- **PUNCH** — Loudness boost.
- **D-ACC** — Turns on Direct Disc Access and allows direct disc selection in 8-disc changer. No function if 8-disc changer is not connected.
- **T-ACC** — Turns on Track Access and allows direct track selection on a CD or MP3 disc.
- **ROOT** — Operates only in MP3 mode.

POWER ON/OFF



Operation

1. Press the OFF button to turn the radio on.
2. Press the OFF button again to turn the radio off.

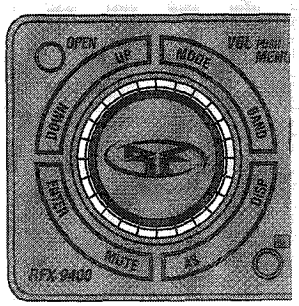
Any Button Wake-Up

Press any button on the faceplate (except EJECT, DISP) to "wake-up" the radio from sleep mode.

LCD Display

When the radio is off (in sleep mode) the clock will be displayed.

VOLUME KNOB / TONE CONTROLS



The Volume knob is a multifunction controller and handles the Volume, Tone Controls., and Setup Options (see next page).

To Control Volume

1. Turn the VOLUME knob clockwise to raise volume.
2. Turn the VOLUME knob counter-clockwise to lower volume.

To Adjust Tone Controls

1. Press the VOLUME knob repeatedly to cycle through BASS > TREBLE > BALANCE > FADER > SUM** > VOLUME.
2. Turn the VOLUME knob clockwise to increase the selected function.
3. Turn the VOLUME knob counter-clockwise to decrease the selected function.

Source Tone Memory

Individual Bass & Treble settings are memorized for TUNER / CD / PLAYER / CD CHANGER / AUX.

NOTE: If no adjustment is made after 5 seconds, the MENU knob will revert to VOLUME mode.

Function	Display	Range	Default
Volume	VOL	0 to 30	15
Bass	BAS	-8 to +8	0
Treble	TRE	-8 to +8	0
Balance	BAL	L15 to R15	0
Fader	FAD	R15 to F15	0
Sum Out	SUM**	0 to 30	15

**Features available on RFX9200/9300/9400 only

Setup Options

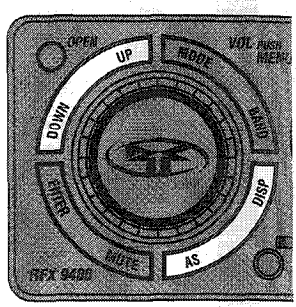
The list below shows the default Setup Options. The bracketed items are the alternate options contained within each Setup Option. To select these alternates, see Selecting Tuner Options on page 30.

- **DX** [LOCAL] — Adjusts the sensitivity of the tuner for rural conditions where there are weak radio stations while Local adjusts the sensitivity for city conditions where there are several strong radio stations.
- **AMERICAS** [EUR/AUST] — Allows tuning of frequencies available in different parts of the world.
- **P. PLAY** [EJ MUTE] — Plays the Tuner after you eject a CD while Eject Mute mutes the Tuner after you eject a CD.
- **VIDEO OFF** [VIDEO 1, VIDEO 2] — Disables the Video RCA Inputs. VIDEO 1 and 2 allow you to plug in two external video sources (TV, Nintendo, etc.) and run their outputs through your auto A/V system.
- **V/BAR ON** [V/BAR OFF] — Displays the Volume Bar at the bottom of the Front Panel while Volume Bar Off turns it off.
- **INI VOL 15** — Sets the maximum Initial Volume when the unit turns on. Initial Volume sets point of maximum volume when the unit is turned on. If the volume setting was lower than the initial volume setting when the unit is turned off, then the lower volume will be used at turn on. If the volume setting was higher than the initial volume setting, then the initial volume setting is used at turn on. This feature prevents accidental high volume turn on as well as allows high volume settings to be retained in case another preamplifier is the system's main volume control.
- **CONTRAST** [VIEW 6] — Controls the view angle of the display.
- **FLAT** [80HZ] — Means third pair of RCA pre-outs is full-range while 80Hz means that the pre-outs are crossed-over for subwoofer use.
- **PANEL AUTO** [PANEL MANU] — Automatically opens and closes Panel when loading or ejecting discs while PANEL MANU allows the front panel to remain open and CDs to be manually loaded or ejected.
- **AUX1 IN 0** [+6, –6] — Allows you to boost the input volume of a weak external audio source or diminish a powerful one. Useful for external sources: MP3 players, video games, VCPs, etc.
- **AUX2 IN 0** [+6, –6] — Same as AUX1 IN above.

Selecting Setup Options

1. Press and hold the VOLUME knob for about 1 second until DX appears (this is the first Tuner Option).
2. Press the VOLUME knob repeatedly to cycle through the Tuner Options listed above.
3. To change a specific Tuner Option, press the Up or Down Button to select an alternate Tuner Option.
4. Once you have selected the Tuner Options of your choice, wait five (5) seconds and the Tuner Options will automatically save and return you to the last Mode Panel you selected.

Clock Operation



Setting the Clock Hours

1 Press and hold the DISP button for 1 second until the hour flashes.

2. Press UP or DOWN button to set the hour.

Setting the Clock Minutes

1 Press and the DISP button a second time and the minutes will flash.

2. Press UP or DOWN button to set the minutes.

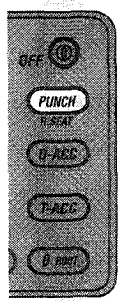
Saving the Clock Settings

After the clock has flashed for 5 seconds, your settings will be saved.

Considerations

The clock will remain displayed when the radio power button is turned off.

Punch Button (Loudness)



The Punch button enables the bass and treble response of the audio output to be boosted for all listening levels.

Operation

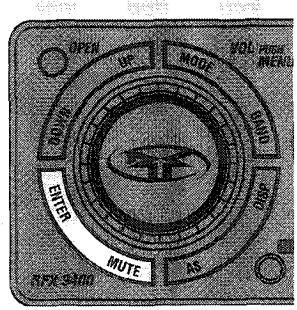
1 Press the PUNCH button to enable the Loudness feature.

2. Press the PUNCH button again to disable the Loudness feature.

Display

The LCD will display "Punch" when the Loudness feature is on.

Mute Button



Operation

1 Press the MUTE button to dampen the volume.

2. Press the MUTE button a second time to revert the audio to the previous level.

LCD Display

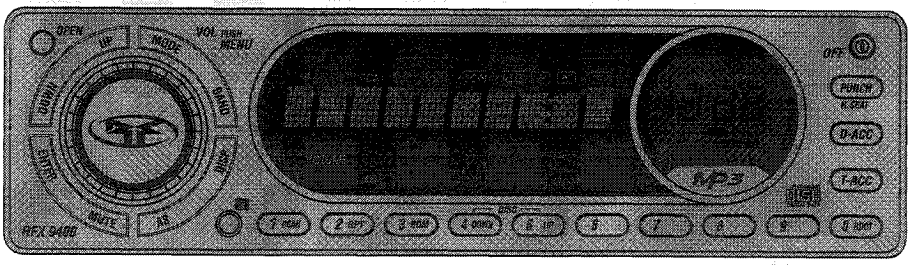
The LCD will display MUTE until the function is canceled.

Mode Selection

Press the MODE button repeatedly to cycle through the following modes:

- **CDP PLAY** — Enables CD Player if a CD is inserted.
- **AUX1** — Allows for an external audio source to attach to the sound system.
- **AUX2** — Allows for a second external audio source to attach to the sound system.
- **FM1** — Enables the Tuner.

CD Player Operation — Basic



NOTE: RFX PLAYERS WILL PLAY AUDIO CDS CREATED ON A MACINTOSH

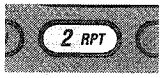
To Play a CD

1. Press OPEN button and the Front Panel will slide open.
2. Insert a CD and the Front Panel will slide closed after 5 seconds (PANEL AUTO).
3. CDP PLAY will auto-select and the CD will begin playing track 1 immediately.
4. Use UP and DOWN buttons to change tracks.

To Play Tracks at Random

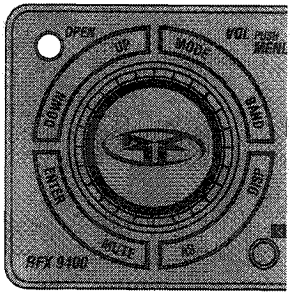
After track begins playing, press RDM button and player will play tracks randomly.

To Repeat a Track



While the CD is playing the track you want to repeat, press the RPT button and the CD will repeat that track until you press the RPT button again.

To Eject a Disc

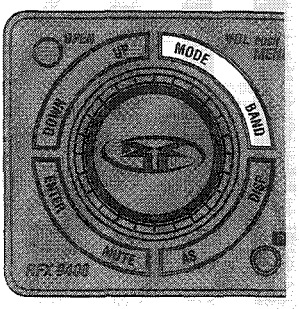


1. Press the OPEN button for 1 second, and the Front Panel will slide open and eject the disc.
2. Press the OPEN button while Front Panel is open.

NOTE: If OPEN is pressed for less than 1 second while in Panel Auto mode, the Front Panel will open and Eject will not be engaged.

CD Player Operation — Advanced

CD Player Mode



CD Player Mode

1. Press the MODE button until CDP PLAY is displayed.
2. The disc will start playing (if no disc is in the player, the source unit will go to AUX1 Mode).

LCD Display

1. The track number and elapsed time will be displayed.
2. After 5 seconds, the LCD will revert either to the default display or the last programmed display.
3. DISC IN will be displayed on the LCD.

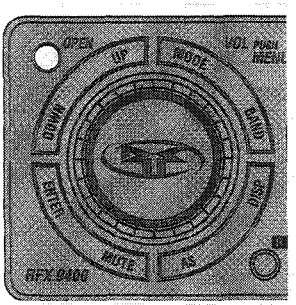
Insert CD and Play

1. Insert a disc and CDP PLAY will appear.
2. The disc will begin playing track 1 on the disc.

Wake-Up Feature (when powered-off)

1. Insert a disc while the unit is off.
2. The disc will begin playing track 1 on the disc.

Disc Eject*



Disc Eject

1. Press the OPEN button and hold for 1 second to eject the disc.
2. The source unit will revert to P.PLAY or EJ MUTE mode (see TUNER OPTIONS in this manual for further information on programming the default mode).
3. After car ignition is turned off, you can still press OPEN to eject a disc.

LCD Display

1. The LCD will display EJECT for 5 seconds.
2. After 5 seconds, the LCD will revert to the previous display.

Auto Reload

1. If the CD is left in the ejected position for more than 10 seconds the disc will automatically reload into the CD player.
2. The auto reload operation will not restart playing the disc or affect any other current mode (Except EJ MUTE Mode).

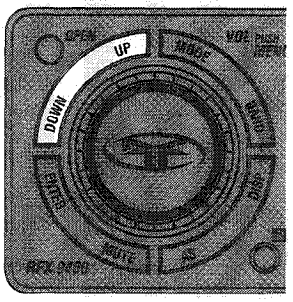
*NOTE: This function works identically in both CD Player and CD Changer modes.

CDP/CDX Track Selection*

Track Selection

1 Press the UP button to select the next track on the disc.

2. Press the DOWN button to select the previous track.



LCD Display

1 The track number and elapsed time remain displayed.

2. After 5 seconds, the LCD will revert either to the default display or the last programmed display.

Considerations

CDP MODE: The disc will start over at track 1 again after the last track plays.

CDX MODE: When the last track number on the current disc is reached, the next disc will load in the CD changer and begin playing track 1.

CDP/CDX Track & Disc Random*

Random

1 Press the RDM button to randomize the tracks on a disk. If you have a multi-disc changer, press and hold the RDM button for 1 second to randomize the discs and tracks.

2. Random will continue until the mode is cancelled.

Random Cancel

Press the RDM button a second time to cancel Random mode.

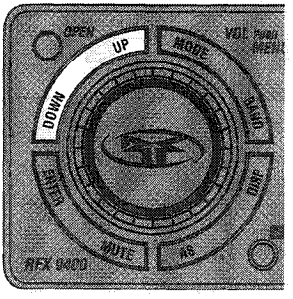
LCD Display

The LCD will display RDM until the function is cancelled.

CDP/CDX Track Forward/Reverse*

Forward/Reverse

Press the DOWN button and the player will take you to the start of the same track as long as that track is more than 10 seconds in. If the track is less than 10 seconds in, pressing the DOWN button will take the player to the beginning of the previous track. Pressing UP takes you to the next track.



Fast Forward/Reverse

1. Press and hold the UP button to fast forward the track.

2. Press and hold DOWN to fast rewind the track.

LCD Display

The LCD will display the elapsed time as long as the UP or DOWN buttons are pressed.

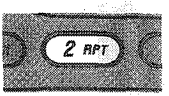
*NOTE: This function works identically in both CD Player and CD Changer modes.

CDP/CDX Track Repeat*

Track repeat plays the currently playing track over again.

Track Repeat

1. Press the RPT button to begin Track Repeat mode.
2. Press the RPT button a second time to cancel Track Repeat mode. Pressing and holding the UP or DOWN buttons also cancels Track Repeat.



LCD Display

The LCD will display RPT until the function is cancelled.

CDP/CDX Track Scan*

Track Scan plays the intro to each track for 10 seconds before moving to the next track on the currently playing disc.

Track Scan

1. Press the SCAN button to begin track scan mode.
2. Track scan will continue to scan until the mode is cancelled.

Track Scan Cancel

1. Press the SCAN button a second time to cancel track scan mode.

LCD Display

1. The LCD will display SCAN until the function is cancelled.
2. The LCD will display the track number and elapsed time for 10 seconds each time a new track begins its intro scan.
3. After 5 seconds the LCD will revert to the default display.

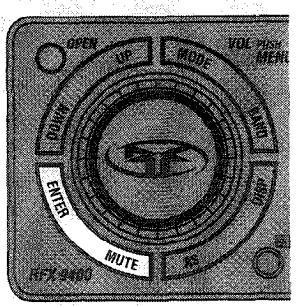
CDP/CDX Pause*

Pause CD

1. Press the MUTE button to pause the CD.
2. Press the MUTE button a second time to resume playing the disc.

LCD Display

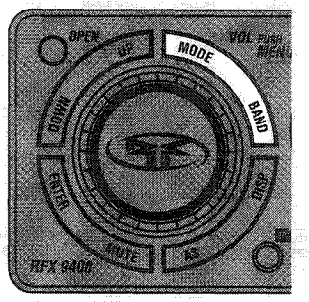
1. The LCD will display PAUSE and the track # until the function is canceled.



*NOTE: This function works identically in both CD Player and CD Changer modes

Programmable Disc Title Memory

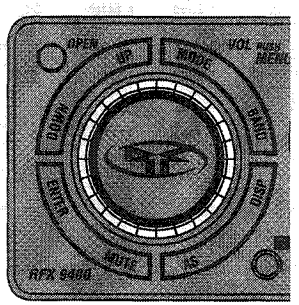
The name of a CD can be stored in memory using up to 10 characters as a title. A maximum of 100 titles can be stored into memory.



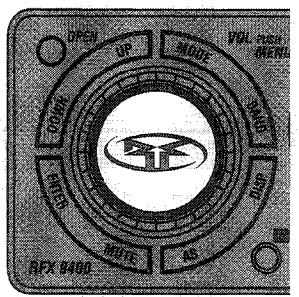
Disc Title Memory

1. Press and hold the BAND button for 1 second and the first digit of the 10-digit front panel will begin to blink.
2. Press the DISP button to cycle through the following character types:

   Type 1 (space)ABCDEFGHIJKLMNOPQRSTUVWXYZ
   Type 2: abcdefghijklmnopqrstuvwxyz
   Type 3. 0123456789
   Type 4: /\\.+?!*'")

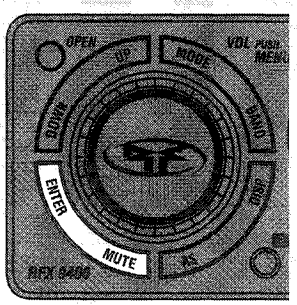


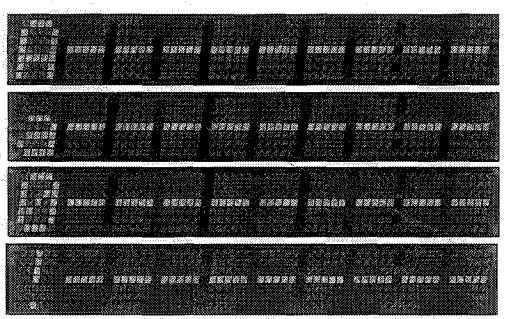
3. Turn the VOLUME knob to select the proper character.
4. Press the VOLUME knob to move to the next space.
5. Press and hold the VOLUME knob for 1 second to store the title into memory.



Disc Title Erasing

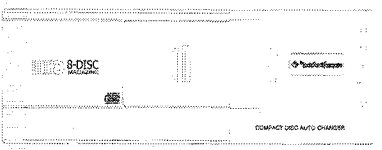
1. Press and hold the MUTE button for 1 second.
2. Turn the VOLUME knob to select the title for erasing.
3. Press and hold the VOLUME knob for 1 second to erase the title.





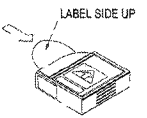
RFX8810 CD CHANGER OPERATION

(Optional Accessory)



LOADING THE CD CHANGER

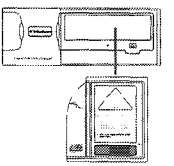
Loading Disc to the Magazine



1. Pull out the desired disc tray number from the magazine.
2. Place the disc into the magazine label side up.
3. Push the disc tray back into the magazine.

NOTE: Discs numbers are arranged from the bottom up.

Loading the Magazine to the CD Changer

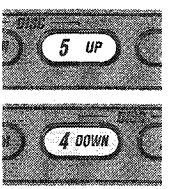


The INSERT IN THIS DIRECTION arrow indicates the proper direction that the magazine should be loaded into the CD changer.

CAUTION: Avoid installing or leaving the magazine where it would be subject to high temperatures such as from direct sunlight or from hot air from the heater. Doing so will damage the unit.

CDX DISC SELECTION

Disc Selection



1. Press the UP button to select the next disc in the magazine.
2. Press the DOWN button to select the previous disc in the magazine.
3. Press D-ACC and numbers 1-8 for direct disc access.

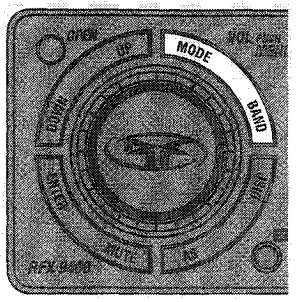
LCD Display

1. The LCD will continuously show the number of the currently playing disc.
2. When a disc begins playing, it will show the disc number, the track number, and elapsed time.
3. After 5 seconds, the LCD will revert either to the default display or the last programmed display.

Considerations

CDX MODE: When the last track # on the current disc is reached, the next disc will load and begin playing track #1

CD Changer Mode



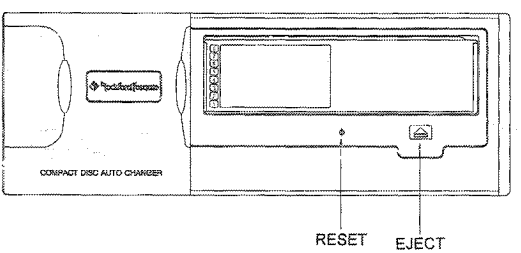
CD Changer Mode

1. Press the MODE button until CDX PLAY is displayed.
2. The CD changer will immediately begin playing track #1 of the first available disc.
3. If the changer was previously initialized, the changer will resume playing the last track initialized.

LCD Display

1. The LCD will continuously show the number of the currently playing disc.
2. When a disc begins playing, the disc number, the track number, and elapsed time will be displayed.
3. After 5 seconds, the LCD will revert either to the default display or the last programmed display.

NOTE: If no disc is loaded into the CD changer NO CD will be displayed and the source unit will revert back to AUX1 mode.



CDX Eject/Reset

Magazine Eject

1 Press the OPEN button to release the magazine disc from the CD changer.

2. The source unit will revert to AUX1 mode.

LCD Display

1 The LCD will display NO CD

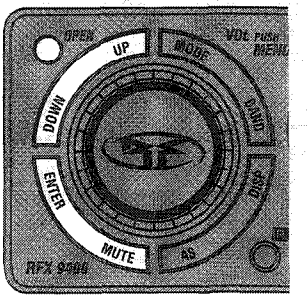
CD Changer Reset

Press the RESET button if the changer gets jammed during operation.

MP3 Player Operation — Basic Playing

NOTE: RFX PLAYERS DO NOT RECOGNIZE MP3 CDS CREATED ON A MACINTOSH

TO PLAY AN MP3 DISC



1. Press OPEN button and the Front Panel will slide open.
2. Insert an MP3 disc and the Front Panel will slide closed after 5 seconds, or press OPEN to close immediately.
3. CDP PLAY will auto-select and the MP3 disc will begin playing track 1 immediately.
4. Press the curved UP and DOWN buttons to go forward and backward when changing tracks.

To Play Tracks at Random

After inserting an MP3 disc, press RDM button and player will play tracks randomly.

To Repeat a Track

While the disc is playing the track you want to repeat, press the RPT button and the CD will repeat that track until you press the RPT button again.

To Pause a Track

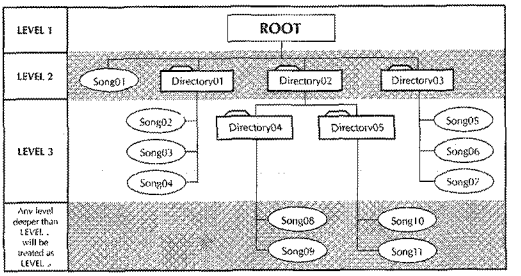
Press the MUTE button to pause a track. Press MUTE again to continue playing the track.

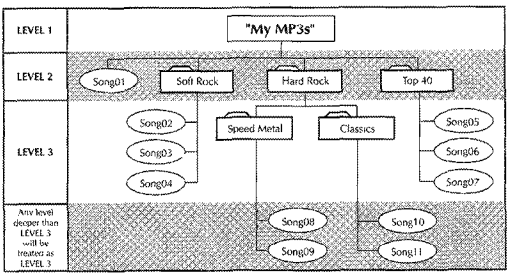
To Eject a Disc

1. Press and hold the OPEN button for 1 second, the Front Panel will open, and the disc will eject.
2. After removing the disc, press the OPEN button again to close the Front Panel.

Directory Structure

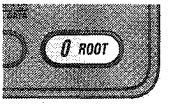
The MP3 directory is set up in three levels and is comprised of three components: (1) the Root, (2) Folders, and (3) Songs. Songs are played in the order and level in which they are located. As shown in the diagram to the right, all songs in Level 2 are played before the songs contained in Level 3 or lower. These levels are descriptive of the function of having songs in folders and subfolders. Any song in a level below Level 3 is treated as though it were in Level 3, but will play in the level order as shown. The songs in the diagram at the right are numbered in the order they will play.





NEGOTIATING THE MP3 DIRECTORY*

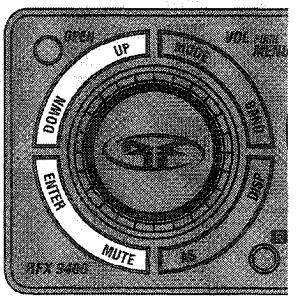
The ROOT Level



The ROOT Level contains the name of the disc, but no folder or song information. The first song on the disc will automatically begin playing when a disc is inserted and will continue playing until you select another song.

Directly Selecting a Song by Title

The MP3 file management system is a folder-based system similar to the Windows™ File Manager. Because of this, the UP and DOWN keys function differently than they do in CD or Tuner Mode. Instead of going forward or backward through your disc respectively, they go up and down through the file list.



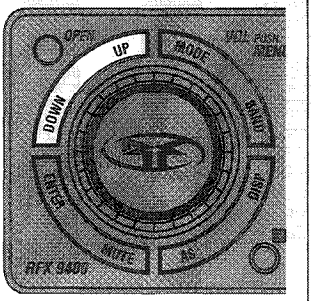
1. Press the ROOT button and the display will show the disc name. The display will then immediately switch to show the name of the first folder on the disc and display it for 5 seconds. If no action is taken during this 5 second period, the display will default back to the song currently playing.
2. While the name of the first folder is showing, press the DOWN button to scroll alphabetically (A to Z) through the list of folders. Press the UP button to scroll in reverse.
3. Press the ENTER button and the name of the first song in the selected folder will be displayed.
4. Press the DOWN button to scroll numerically (1 to 10 or higher) through the songs contained in the selected folder. Press the UP button to scroll through the songs from 10+ to 1

   NOTE: If The song name will remain displayed for 5 seconds in steps 1 through 4 above. If no action is taken during this 5 second period, the display will default back to the song currently playing.
5. Press ENTER to select the song and the song will begin playing.

   NOTE: If no disc is loaded into the CD player, NO CD will be displayed and the source unit will revert back to AUX1 mode.

* Available on RFX9300 and 9400 only.

DOWN Button



When playing an MP3 track on the RFX9300 or 9400, pressing the DOWN button will take you to the beginning of the previous track. For example, if listening to track 3, pressing the DOWN button goes to the beginning of track 2, not the beginning of track 3.

However, if playing a regular audio CD track and the DOWN button is pressed, the player will take you to the beginning of the same track as long as the playing track has been playing for more than 10 seconds. If the track is within 10 seconds of its beginning, pressing the DOWN button will take the player to the beginning of the previous track.

Fast Forward/Fast Reverse

This function is possible in MP3 Mode, but the time will not display and there will be no sound.

Maximum Writing Speed and Bit Depth

The maximum speed of the CD ROM burner accepted by the RFX units is 12X. The maximum bit rate range possible is 32kb/sec–320kb/sec. For best performance of scrolling display, before creating a file system in your CDR burning program, select the CD layout properties menu and file system tabs. Use ISO9660 file format and select the Long File Names option on your PC. This allows a maximum of 16 upper-case scrolling characters to be displayed.

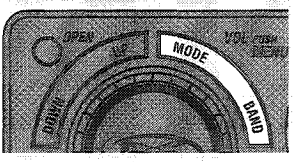
NOTE: 1. Make sure that when a MP3 CD is burned that it is formatted as a data disc and NOT as an audio disc.
2. Depending on the type of CD-R, CD surface condition and CD writer performance & condition, CD-R may not operate normally.

Programmable Titling

Programmable Titling is not available in MP3 mode. However, default is selectable

SELECTING A BAND

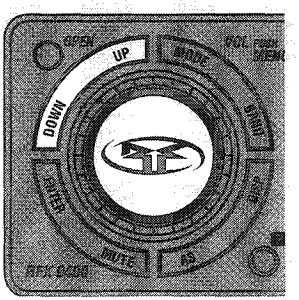
Press the BAND button repeatedly to cycle through FM1, FM2, and AM. The act of selecting the band automatically enables that band.



TUNER OPTIONS

DX and AMERICAS are the default Tuner Options settings. The bracketed options are alternate options.

- **DX** [LOCAL]
- **AMERICAS** [EUR/AUST]



Selecting Tuner Options

1. Press and hold the VOLUME knob for 1 second
2. Press the VOLUME Knob repeatedly to cycle through all Setup Options (the other Setup Options do not affect Tuner Mode).
3. To change an Option, press the UP or DOWN Button.
4. Once you have made your selections, wait 5 seconds and the Front Panel will return you to the last Mode Panel shown.

PRESET BUTTONS 1–10

Each Tuner mode—FM1, FM2, and AM—has 10 presets for a total of 30 presets.

To Set a Preset Button

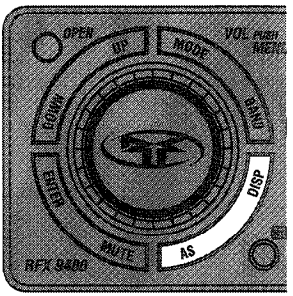
1. Tune the Tuner to the station you wish to program.
2. Press and hold any preset button for five seconds and it will program that setting.

Original Preset Memory Content (Tracking Point)

Function	Band	1	2	3	4	5	6	7	8	9	10
America	FM1	87.5	90.1	98.1	106.1	107.9	87.5	90.1	98.1	106.1	107.9
	FM2	87.5	90.1	98.1	106.1	107.9	87.5	90.1	98.1	106.1	107.9
	AM	530	610	1000	1400	1710	530	610	1000	1400	1710
Eur/Aust	FM1	87.5	90.0	98.0	106.0	108.0	87.5	90.0	98.0	106.0	108.0
	FM2	87.5	90.0	98.0	106.0	108.0	87.5	90.0	98.0	106.0	108.0
	AM	522	612	999	1404	1620	522	612	999	1404	1620
Japan	FM	76.0	80.0	83.0	87.0	90.0	76.0	80.0	83.0	87.0	90.0
	AM	522	603	999	1404	1629	522	603	999	1404	1629

Auto Store / Preset Scan

If you want the Tuner to select the 10 most powerful stations in order of their signal strength and assign them to Preset buttons 1–10, you can use Auto Store.



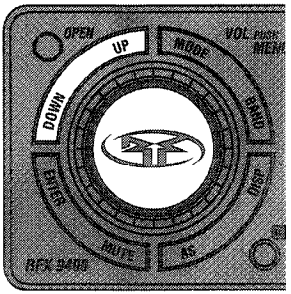
Auto Store

1. Press the AS button once and the Tuner will scan the entire dial.
2. Auto Store will store radio stations independently in the selected tuner bank (FM1/FM2/AM).

Button Function

Operation

1. Press and hold the VOLUME knob for 1 second to enter Tuner Options mode.
2. Continue to press the VOLUME knob to cycle through TUNER OPTIONS DX > AMERICAS > P.PLAY > V/BAR > INI/VOL > CONTRAST > FLAT > PANEL AUTO > AUX1 IN > AUX2 IN.
3. Press the UP or DOWN button to select MODE 1 or MODE 2.

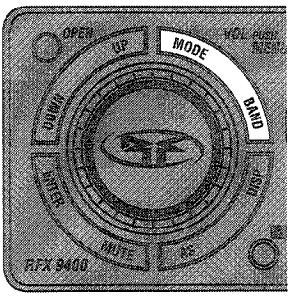


Tuner Option	Mode	Function
#1	P.PLAY	Reverts the unit back to tuner mode when ejecting a CD
	EJ MUTE	Mutes the audio when ejecting a CD
#2	LOCAL	Adjusts the sensitivity for city conditions where there are several strong radio stations
	DX	Adjusts the sensitivity of the tuner for rural conditions where there are weak radio stations
#3	AMERICAS	Adjusts the tuner's frequency band for American country codes
	EUR/AUST	Adjusts the tuner's frequency band for European/Australian country codes

Country	Bandwidth	Frequency Spacing
Americas	AM = 530 – 1710kHz FM = 87.5 – 107.9MHz	10kHz 200kHz
Eur/Aus	AM = 522 – 1620kHz FM = 87.5 – 108.0MHz	9kHz 50kHz

PROGRAMMABLE STATION TITLE MEMORY

The name of a Station can be stored in memory using up to 10 characters as a title. A maximum of 100 titles can be stored into memory.

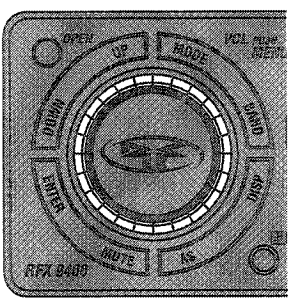


Station Title Memory

1. Press and hold the BAND button for 1 second and the first digit of the 10-digit front panel will begin to blink.
2. Press the DISP button to cycle through the following character types:

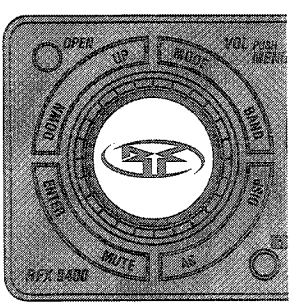
   Type #1 (space)ABCDEFGHIJKLMNOPQRST UVWXYZ
   Type #2: abcdefghijklmnopqrstuvwxyz
   Type #3 0123456789
   Type #4· /\\.+?!*'")

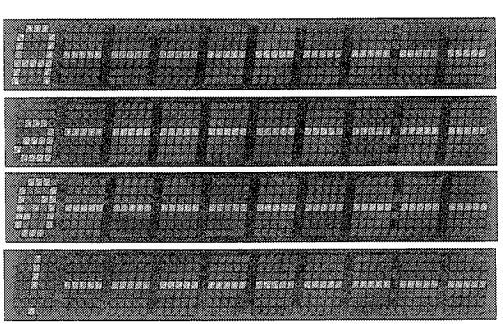
3. Turn the VOLUME knob to select the proper character.
4. Press the VOLUME knob to move to the next space.
5. Press and hold the VOLUME knob for 1 second to store the title into memory.

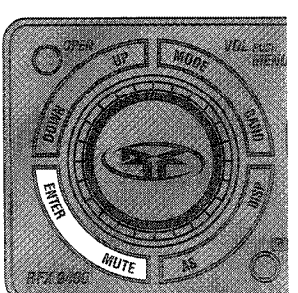


Station Title Erasing

1. Press and hold the MUTE button for 1 second.
2. Turn the VOLUME knob to select the title for erasing.
3. Press and hold the VOLUME knob for 1 second to erase the title.







Available on International Models Only

AF/TP Mode

TP (Traffic Program) Mode will automatically switch to receive a Traffic Announcement regardless of the current operating mode of the unit. EON TA are stations that do not have a TRAFFIC PROGRAM but can provide information on other radio stations that do.

AF (Alternative Frequencies) Mode compares the signal level of the current station with the signal level of other alternative frequencies on the same radio network (see PTY Mode). If the AF provides a stronger signal than the current frequency, the radio will switch to the stronger AF.

Traffic Program Mode (TP)

1. Press the AF/TP button to engage TP Mode, and again to disengage TP Mode.
2. When TP is blinking, TP Mode is on and there is no TP DATA to receive.
3. The SEEK or AS function will stop only at radio stations providing TP or EON TA.

Alternative Frequencies Mode (AF)

1. Press and hold the AF/TP button for 1 second to engage AF Mode.
2. Press and hold AF/TP again for 1 second to disengage AF Mode.

PTY Mode

PTY (Program Type) can search for radio stations via MUSIC MODE or SPEECH MODE networks. Music Mode categorizes radio stations into Pop, Rock, Modern Music, Light, Classics, and others. Speech Mode categorizes music into News, Affairs, Info, Sports, Education, Drama, Culture, and Science. REG (Region Mode) will switch the station to another that has the same PI CODE (station that provides exactly the same program) but in a different REGION.

Program Type Mode

1 Press the PTY button to cycle through MUSIC, SPEECH, and PTY OFF

2. Press the PRESET button that corresponds to the mode type (refer to chart below).

Region Mode

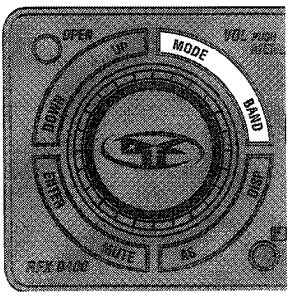
1 Press and hold the PTY button for 1 second to turn on Region Mode.

2. Press and hold the PTY button again for 1 second to turn off Region Mode.

NOTE: The LCD will display "REG" when AF and REG modes are on.

KEY	Music Mode	Speech Mode
M1	POP M	NEWS
M2	ROCK M	AFFAIRS
M3	M.O.R.M.	INFO
M4	LIGHT M	SPORT
M5	CLASSICS	EDUCATE
M6	OTHER M	DRAMA
M7	–	CULTURE
M8	–	SCIENCE
M9	–	VARIDE

AUX MODE*



AUX Mode

1. Press the MODE button until AUX1 or AUX2 is displayed.
2. The AUX inputs will immediately "see" the auxiliary audio input being fed into the AUX RCA jacks.

LCD Display

1. AUX1 and AUX2 will be displayed for 5 seconds if Titling is used and selected as the default display.
2. After 5 seconds the LCD will revert to the default display. If no title for AUX is used, AUX will be displayed continuously.

AUX Mode Titling

See Disc Titling on page 24.

NOTE: The input signal connected to the AUX RCA jacks is fed into the source unit prior to the volume control. If the AUX input source has a constant (non-adjustable) output level, the volume control on the faceplate can properly adjust the amplitude. To more closely match the volume of the AUX signal to CD or radio volume, use the AUX IN sensitivity adjustment (see page 18).

**Feature available on RFX9200/9300/9400 only*

POWER UP DEFAULTS

The chart below shows the default settings upon startup. These are also the settings that the unit is reset to when you push the RESET button (see Reset Button on page 15).

Mode	Default
AS	Off
Preset memory	Original memory band
Scan	Off
Repeat	Off
Random	Off
Punch	On
Button Illumination color	Red
Default Display	Freguency/Time
CDP Loading	STBY
CDX Loading	Disc Start
Volume Level	15
Sum	15
Bass/Treble	0
Balance/Fader	0
Local/DX	DX
Station + Disc Titling	Clear Memory

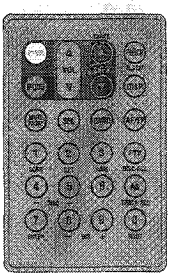
POWER ON/OFF

Power Button Operation

1. Press the PWR button to turn on the radio.
2. Press the PWR button a second time to turn off the radio.

LCD Display

When the radio is off (in sleep mode) the clock will be displayed.

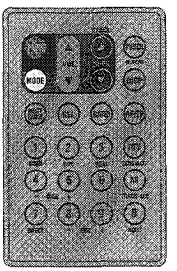


OPERATING MODE

Selecting Modes

1 Consecutively press the MODE button to cycle through: TUNER > CDP > CDX > AUX* modes.

2. Release the MODE button to select the appropriate operating mode.



*This feature available on RFX9200/9300/9400 only

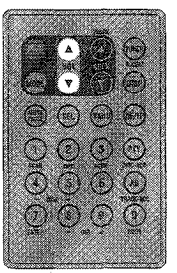
VOLUME UP/DOWN

Volume Button Operation

1 Press the VOL (▲) button to increase the volume.

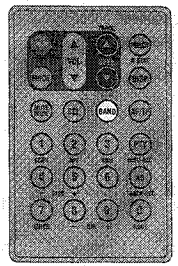
2. Press the VOL (▼) button to decrease the volume.

NOTE: The VOL button is also used to increase or decrease the Bass, Treble, Balance, Fader & Sum* See Tone Controls in this section for further information.



*This feature available on RFX9200/9300/9400 only

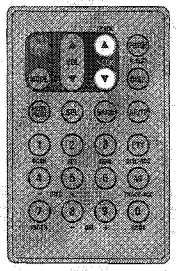
Tuner Band



Selecting the Tuner Band

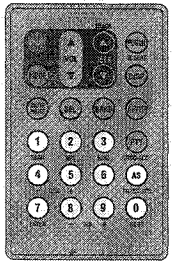
1. Press the BAND button repeatedly to cycle through the tuner bank: FM1 > FM2 > AM.
2. Stop pressing the BAND button when the display reads the desired tuner bank.

Seek (Track)



Seek (TUNER Mode)

1. Press the SEEK (▲) button to automatically jump the tuner to the next strongest radio station.
2. Press the SEEK (▼) button to automatically jump the tuner to the last strongest radio station.
3. Press the SEEK (▲) or (▼) again to stop the tuner on the current radio station.



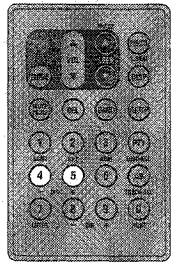
Track Selection (CDP/CDX Mode)

1. Press the SEEK (▲) button to select the next track on the disc.
2. Press the SEEK (▼) button to select the previous track on the disc (see "Down Button" on page 29).

Direct Track Selection (CDP/CDX Mode)

Press any of the numbered buttons to select tracks 1 through 10.

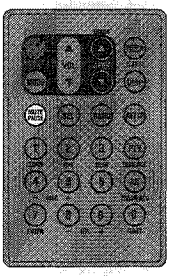
Tune (Disc)



Disc Selection (for Multi-Disc Changer only)

1. Press the 5 button to select the next disc in the multi-disc changer's magazine.
2. Press the 4 button to select the previous disc in the magazine.

MUTE/PAUSE*



Tuner Mute

1. Press the MUTE button to reduce the volume to minimum.
2. Press the MUTE button a second time to revert the audio to the previous level.

LCD Display

The LCD will display MUTE until the function is canceled.

Pause CD (CDP/CDX Mode)

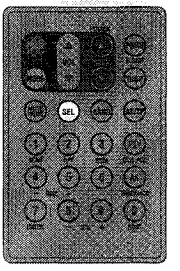
1. Press the MUTE/PAUSE button to pause the CD and reduce the volume to minimum.
2. Press the MUTE/PAUSE button a second time to resume playing the disc.

LCD Display

The LCD will display PAUSE and the track # until the function is canceled.

* This function works identically in both CD Player and CD Changer modes.

TONE CONTROLS



Selecting Tone Controls

1. Press the SEL button to cycle through VOLUME > BASS > TREBLE > BALANCE > FADER > SUM*
2. Press the VOL ▲ button to increase function.
3. Press the VOL ▼ button to decrease function.

Source Tone Memory

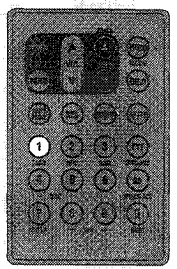
Individual Bass and Treble settings are programmable for TUNER / CDP / CDX / AUX* modes.

NOTE: If no adjustment is made after 5 seconds, the MENU knob will revert to VOLUME mode.

Function	Display	Range	Default
Volume	VOL	0 to 30	15
Bass	BAS	-8 to +8	0
Treble	TRE	-8 to +8	0
Balance	BAL	L15 to R15	0
Fader	FAD	R15 to F15	0
Sum Out	SUM**	0 to 30	15

*Features available on RFX9200/9300/9400 only

TRACK SCAN*



Track scan plays the intro to each track for 10 seconds before moving to the next track on the currently playing disc.

Track Scan

1. Press the SCAN (Preset #1) button to begin track scan mode.
2. Track scan will continue to scan until the mode is cancelled.

Track Scan Cancel

Press the SCAN (Preset #1) button a second time to cancel track scan mode.

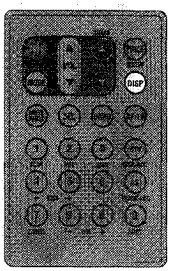
LCD Display

1 The LCD will display SCAN until the function is cancelled.

2. The LCD will display the track # and elapsed time for 5 seconds each time a new track begins its intro scan.
3. After 5 seconds the LCD will revert to the default display.

* This function works identically in both CD Player and CD Changer modes.

DISPLAY RECALL



Display Recall temporarily displays the clock, radio station, station title*, CD track/time, disc title*, or AUX* on the LCD for 5 seconds.

Display Recall (TUNER)

1 While in TUNER mode, press the DISP button to cycle through RADIO STATION > STATION TITLE* (if there are no stations titled, the display will remain on the station).

2. After 5 seconds, the display will revert to the default display.

Display Recall (CDP/CDX)

1 While in CDP/CDX mode, press the DISP button to cycle through CLOCK > TRACK/TIME > DISC TITLE*

2. After 5 seconds, the display will revert to the default display.

Display Recall (AUX)*

1. While in AUX mode, press the DISP button to switch between CLOCK > AUX*
2. After 5 seconds, the display will revert to the default display.

NOTE: See DEFAULT/RECALL DISPLAY in the Basic Operation section of this manual for more information on programming the default display.

*Features available on RFX9200/9300/9400 only

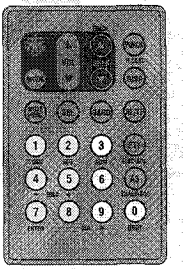
Direct Preset Access

Direct Preset Access

1. Press numbers 1 through 0 to access the desired tuner preset.
2. The CD player or CD changer will immediately load the selected track and begin playing.

LCD Display

1. The LCD will display the tuner bank and the tuner frequency being accessed for 5 seconds.
2. After 5 seconds the LCD will revert to the default display.



Track Repeat*

Track Repeat plays the currently playing track over again from the beginning.

Track Repeat

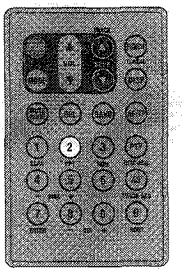
1. Press the RPT (Preset #2) button to begin track repeat mode
2. Track repeat will continue to repeat the current track until the mode is cancelled

Track Repeat Cancel

Press the RPT (Preset #2) button a second time to cancel track repeat mode

LCD Display

The LCD will display RPT until the function is cancelled



Track Random*

Track random selects and plays tracks at random from the currently playing disc.

Track Random

1 Press the RDM (Preset #3) button to begin track random mode.

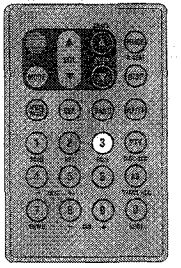
2. Track random will continue to select and play tracks at random until the mode is cancelled.

Track Random Cancel

Press the RDM (Preset #3) button a second time to cancel track random mode.

LCD Display

The LCD will display RDM until the function is cancelled.

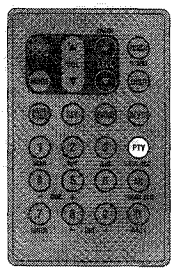


*NOTE: This function works identically in both CD Player and CD Changer modes.

Direct Disc Access

Direct Disc Access allows any disc in the magazine to be immediately selected and played. This method is faster than manually cycling through each disc in the magazine.

Direct Disc Access



1. While in CDX mode, press the DISC ACC button to select Direct Disc Access mode.
2. Press the number (1-2-3-4-5-6-7-8-9-0) to access the desired disc in the magazine.
3. The CD changer will immediately load the selected disc and begin playing track #1

NOTE: If there is no disc in the slot, the player will remain on the current disc.

LCD Display

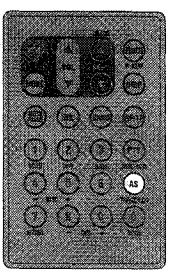
1 The LCD will display DISC and the disc # being accessed for 5 seconds.

2. After 5 seconds the LCD will revert to the default display.

Direct Track Access*

Direct Track Access allows any track to be immediately selected and played. This method is faster than manually cycling through each track on the disc.

Direct Track Access



1 While in CDP/CDX mode, press the TRACK ACC button to select Direct Track Access mode.
2. Press the number (1-2-3-4-5-6-7-8-9-0) to access the desired track on the disc.
3. The CD player or CD changer will immediately load the selected track and begin playing.

LCD Display

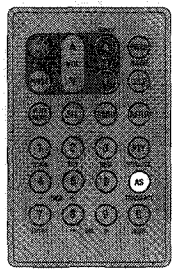
1 The LCD will display TRACK and the track # being accessed for 5 seconds.

2. After 5 seconds the LCD will revert to the default display.

*NOTE: This function works identically in both CD Player and CD Changer modes.

AUTO STORE/PRESET SCAN

Auto Store



1. Press the AS button once automatically select the strongest radio stations and store them in the tuner banks.
2. Auto Store will store radio stations individually in the desired tuner bank (FM1/FM2/AM).

General Troubleshooting

Symptom	Diagnosis	Remedy
Source Unit does not turn on	Voltage applied to Red and Yellow wires is not between 10.8 and 16 volts or there is no voltage present	Check battery, connections and fuses and repair or replace as necessary. If voltage is above +16 volts, have the electrical system inspected by an authorized car service center.
	Source unit is not properly grounded	Check wiring and repair as necessary
No backlight illumination	Detachable faceplate not properly connected	Detach faceplate and reinstall into chassis
Speakers pop when turning Source Unit On/Off	Auto antenna and remote B+ are not configured properly	Check wiring and repair as necessary. Refer to "Wiring the System" section of this manual for further information
	Bad component in the signal chain	Check connections and bypass all components between the source unit and the amplifier. Connect one component at a time to determine the culprit. Connect this component to the Blue wire and check for pops. If pops persist, repair or replace component as necessary
Tuner fails to tune any radio stations	Antenna is disconnected	Check connections and repair as necessary
Tuner has poor reception	Antenna is disconnected or not properly grounded to vehicle	Check connections and installation of antenna and repair or replace as necessary
	Antenna cable is intermittent or damaged	Disconnect antenna and test with known working antenna. If tuner works, check installation and repair antenna wiring as necessary
	Antenna is wrong type for AM/FM frequencies	Consult your local Authorized Rockford Fosgate Dealer for proper antenna selection
Disc will not load into Source Unit (also see error codes)	Voltage applied to Red and Yellow wires is not between 10.8 and 16 volts or there is no voltage present	Check battery, connections and fuses, and repair or replace as necessary. If voltage is above +16 volts, have the electrical system inspected by an authorized car service center

SYMPTOM	DIAGNOSIS	REMEDY
Disc will not eject (also see error codes)	Voltage applied to Yellow wire is not between 10.8 and 16 volts or there is no voltage present	Check battery, connections and fuses, and repair or replace as necessary. If voltage is above +16 volts, have the electrical system inspected by an authorized car service center
ERROR 1 (Initialize Error)	No initialization	Press the reset button
	Mechanism is jammed and loading motor (or driving circuit) is defective	Repair the mechanism and loading motor (or driving circuit)
ERROR 3 (Loading Error)	Foreign objects are preventing the disc from loading	Check CDP mechanism load area by removing faceplate and repair as necessary
	Loading area in mechanism and loading motor (or driving circuit) is defective	Repair the mechanism and loading motor (or driving circuit)
ERROR 4 (Eject Error)	Foreign objects are preventing disc from ejecting	Check CDP mechanism eject area by removing faceplate and repair as necessary
	Eject area in mechanism and ejecting motor (or driving circuit) is defective	Repair the mechanism and loading motor (or driving circuit)
ERROR 6 (Transverse Error)	Transverse motor or switch is defective. Traverse area damaged	Check CD mechanism motor, switch and transverse area.
ERROR 7 (Servo Error)	Excessive dirt or dust on disc	Clean disc to remove dirt or dust as necessary
	Disc is warped cracked or severely damaged	Put in a different disc!
	Excessive scratches on disk	Put in a different disc!
ERROR 9 (TOC Error)	Disc is cracked, warped or severely damaged	Put in a different disc!
	Laser pickup is defective	Have service center repair laser pickup
	Servo unit in CDP mechanism is not operating properly	Check the servo circuit area and repair as necessary

SYMPTOM	DIAGNOSIS	REMEDY
Radiated Noises	No RF suppression of blower motors	Connect filter cap (Radio Shack #272-1085) in-line on B+ as close to blower motor as possible
	No RF suppression of switches	Connect a .1µf – .01µf non-polarized capacitor across switch contacts
CD skips excessively	Source unit mounted at an incorrect angle	Check mounting angle of source unit (mount within ±20° from horizontal) and repair as necessary
	Source unit not secured properly (Standard Mount)	Check tightness of installation sleeve and back strap; repair or replace as necessary
	Source unit not secured properly (ISO Mount)	Check tightness of mounting screws and repair or replace as necessary
Engine Noise	Source unit is not grounded properly	Check connections and repair wiring as necessary
	Noise is radiating into RCA signal cable	Check connections, run the RCA cables on a different route away from sources of high current
	Bad component in the signal chain	Check connections. Bypass all components between the Source unit and the amplifier. Connect one component at a time to determine the culprit. Repair or replace components as necessary
	Noise is radiating into the speaker cables	Disconnect speakers and connect a test speaker to the output terminals or the source unit. If noise is gone, reroute the speaker cables away from sources of high current
	Multiple grounds in the audio system	Check ground connections and connect amplifiers, signal processors, and other components to a central location or try a different grounding point on the chassis

CD CHANGER TROUBLESHOOTING

SYMPTOM	DIAGNOSIS	REMEDY
ERROR 1 (Initialize Error)	Disc unit can't detect magazine	Press the eject button and pull out the magazine. Press the reset button
	Magazine tray load/unload problem	Check tray load/unload area
	Magazine sensor is defective	Have a service center check the magazine sensing switch
ERROR 2 (Magazine Eject Error)	Can't eject magazine	Press the reset button
	Magazine emitting spring is damaged	Have a service center inspect and repair as necessary
	Magazine tray is jammed	Inspect and repair as necessary
ERROR 3 (Loading Error)	Tray loading has not completed after 5 secs	Press Eject, pull out the magazine, and try again. Press Reset
	Loading mechanism and motor (or driving circuit) is defective	Repair mechanism and loading motor (or driving circuit)
ERROR 4 (Unloading Error)	Tray unloading has not completed after 5 secs	Press Eject, pullout the magazine, and try again. Press Reset
	Unloading mechanism and motor (or driving circuit) is defective	Have a service center repair mechanism and loading motor (or driving circuit)
ERROR 5 (Elevator Error)	Magazine tray is jammed	Repair CD changer mechanism; then press Reset
ERROR 7 (Focus Error)	The laser pick-up is defective	Repair the laser pick-up
	Disc is warped, cracked, or damaged	Put in a new disc
ERROR 9 (TOC Error)	Disc is warped, cracked, or severely damaged.	Eject damaged disc from source unit and play only non-damaged discs
	The laser pick-up is defective	Have a service center repair the laser pick-up
NO CD (No Disc Error)	Magazine is empty or not installed in the unit	Check the magazine and insert discs

Symptom	Diagnosis	Remedy
NO CONN (Communication Error)	8-pin DIN cable is disconnected from the CDX mechanism or source unit	Check the connection of 8-pin DIN cable between the CDX and unit
CD Changer does not operate	CDX cable is intermittent or severely damaged	Check connections and repair or replace CDX cable as necessary
	CDX cable is disconnected from the Source Unit or CD Changer	Check connections at the Source unit and CD Changer and repair wiring as necessary
	Communication issue	Press Reset on CD Changer
Disc is jammed in the CD Changer	Disc load/unload problem	Press Reset on CD Changer. If CD Changer still does not operate, see your Local Authorized Rockford Fosgate Dealer

IR Remote Troubleshooting

Symptom	Diagnosis	Remedy
IR Remote has poor range	Batteries are weak	Check battery condition and replace as necessary with (1) CR2025 (+3 volt) battery
	Excessive dirt or dust on IR Remote transmitter lens	Clean transmitter lens with Plexiglas solution and a non-abrasive cloth as necessary
	Excessive dirt or dust on source unit receiver lens	Clean receiver lens (compact disc logo) with Plexiglas solution and a non-abrasive cloth as necessary
	IR remote is outside of optimum transmitting range	Operate IR remote within about 15 ft and ±45° from horizontal of the Source unit's faceplate
	High sunlight conditions	Operate IR remote closer to Source Unit
IR Remote does not work (LED does not illuminate)	Batteries are dead	Check battery condition and replace as necessary with (1) CR2025 (+3 volt) battery
	Battery is installed incorrectly	Check battery installation and repair as necessary (polarity is indicated on pc board)

LIMITED WARRANTY INFORMATION

Rockford Corporation offers a limited warranty on Rockford Fosgate products on the following terms:

Length of Warranty

1 year on source units

What is Covered

This warranty applies only to Rockford Fosgate products sold to consumers by Authorized Rockford Fosgate Dealers in the United States of America or its possessions. Product purchased by consumers from an Authorized Rockford Fosgate Dealer in another country are covered only by that country's Distributor and not by Rockford Corporation.

Who is Covered

This warranty covers only the original purchaser of Rockford product purchased from an Authorized Rockford Fosgate Dealer in the United States. In order to receive service, the purchaser must provide Rockford with a copy of the receipt stating the customer name, dealer name, product purchased and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Rockford's discretion.

What is Not Covered

1 Damage caused by accident, abuse, improper operations, water, theft

2. Any cost or expense related to the removal or reinstallation of product

3. Service performed by anyone other than Rockford or an Authorized Rockford Fosgate Service Center

4. Any product which has had the serial number defaced, altered, or removed

5. Subsequent damage to other components

6. Any product purchased outside the U.S.

7 Any product not purchased from an Authorized Rockford Fosgate Dealer

Limit on Implied Warranties

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. Some states do not allow limitations on the length of an implied warranty, so this limitation may not apply. No person is authorized to assume for Rockford Fosgate any other liability in connection with the sale of the product.

How to Obtain Service

Please call 1-800-669-9899 for Rockford Customer Service. You must obtain an RA# (Return Authorization number) to return any product to Rockford Fosgate. You are responsible for shipment of product to Rockford.

Ship to: **Electronics**
Rockford Corporation
Warranty Repair Department
2055 E. 5th Street
Tempe, AZ 85281
RA#: _____

Ship to: **Speakers**
Rockford Acoustic Design
Speaker Returns
2356 Turner Ave NW
Walker, Michigan 49544
RA#: _____

– Notes –

Installation assistance available at:

RFTECH

www.rockfordfosgate.com/rftech

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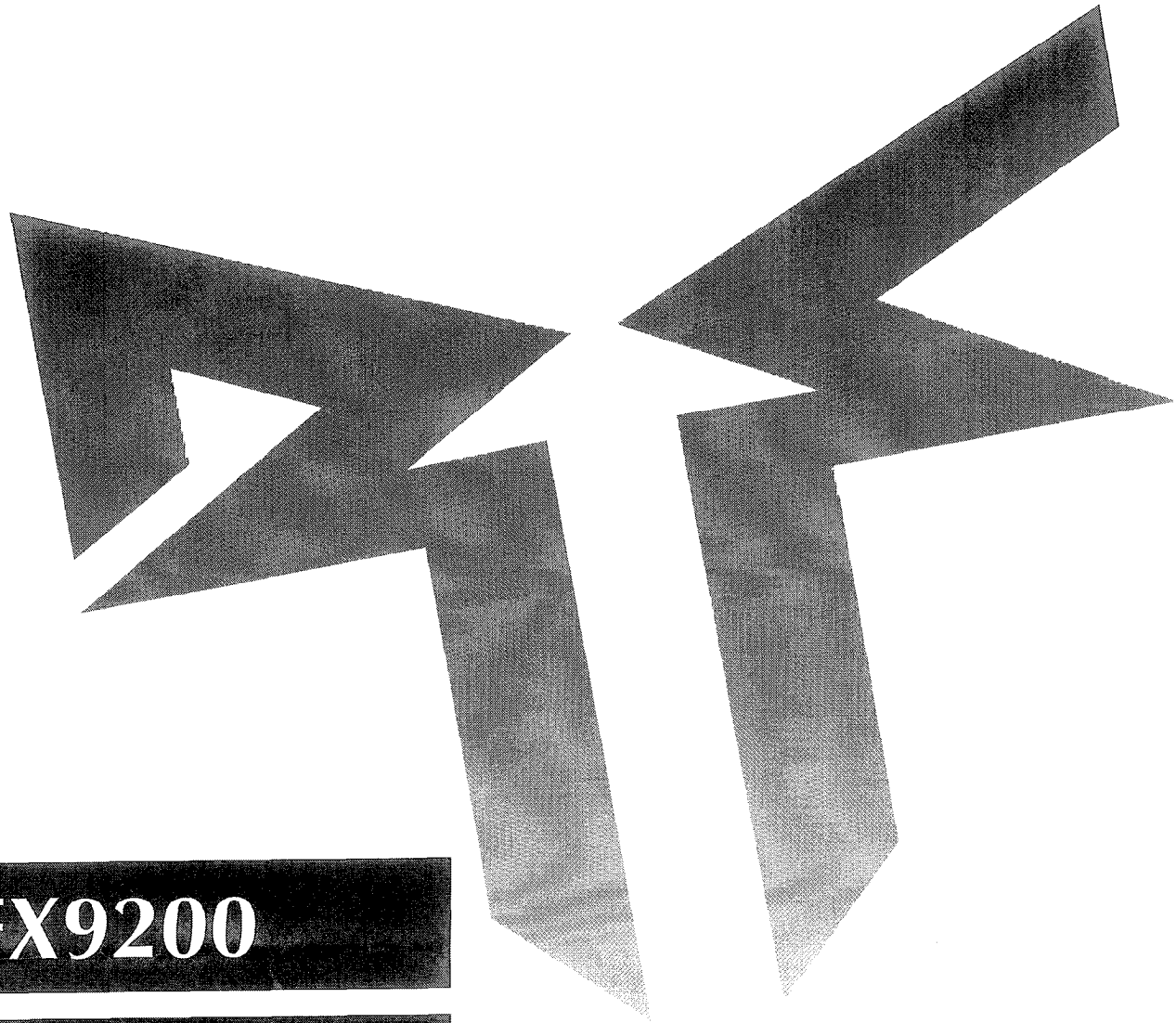
In Japan, Fax (81) 559-79-1265

www.rockfordfosgate.com

S.W.E.
02/01



RFX9200

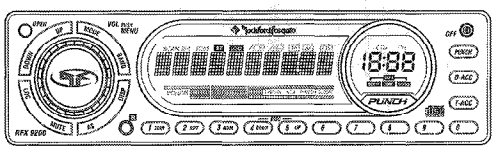
RFX9200RDS

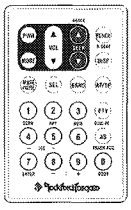
Installation Reference Sheet
Páginas de Referencia para la Instalación
Schéma d'Installation
Installations Beiblatt
Istruzioni di Installation

Rockford Fosgate®

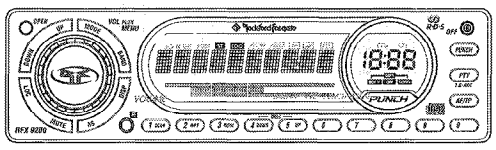
RFX9200 RFX9200RDS	AM/FM ST/CD Player/Changer Control/IR Remote/Audio Switcher RDS/AM/FM ST/CD Player/Changer Control/IR Remote/Auido Switcher	Specification Reference Sheet

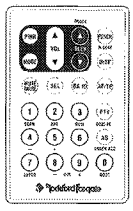
RFX9200





RFX9200R





Features

General

- **ISO-DIN Mountable** – 178mm x 50mm (trim ring removed)
- **Fold Down Detachable Faceplate**
- **Multi-Color LCD Display**
- **CD Changer Control**
- **Internal Amplifier** – 4x25 Watts RMS / 4x40 Watts PEAK

Preamp

- **Low Source Impedance** – Drive multiple amps without signal loss
- **Source Tone Memory** – Enables separate Bass and Treble memory for Tuner/CD Player/Changer modes
- **6-Audio Outputs** – Front/Rear/Sum preamp outputs

Tuner

- **MIR** – (Multipath Interference Rejection) Improves audio performance when radio reception is poor
- **30 Station Presets** – 10 AM/20 FM Presets
- **Auto Store** – Auto programming of all 30 presets
- **World Wide Tuner** – American/Europe/Australia
- **RDS Tuning (RFX9200RDS only)** – RDS (Radio Data System) tuners can automatically tune in stations according to the style of music the station broadcasts RDS also enables the receiver to display text messages (usually call letters) and can break in with traffic alerts or emergency broadcasts when listening to a CD

Compact Disc

- **5.0 Hologram laser** – one piece laser accurately tracks CD
- **Dual 1-bit D/A Converters w/8x Oversampling**
- **Digital Servo Control w/Auto Focus** – Adjusts to CD manufacturing tolerances for accurate tracking

Specifications

FM Tuner

Frequency Response	30Hz-12kHz
Usable Sensitivity	10dB(S/N 30dB)
IF Rejection	90dB
Image Rejection	50dB
Signal-to-Noise Ratio	60dB
Channel Separation	≥25dB@1KHz

CD Player

Usable Discs	5″ and 3″
Frequency Response	20Hz-20kHz (±3dB)
Signal-to- Noise Ratio	>90dB
Channel Separation	.86dB
Dynamic Range	100dB

AM Tuner

Sensitivity	20dBf max @ 10dB Sensitivity
-6dB Bandwidth	5KHz min-12 KHz max

General

Operating Voltage	+10.8 to +16V DC
Continuous Power Output	4x25 Watts
Dynamic Power Output	4x40 Watts
Pre-Out Voltage (vol max)	2.4 Vrms
Preamp Output Impedance	100Ω
Equalization	Bass ± 10dB @ 60Hz Treble ± 8dB @ 15kHz

Overall Dimensions (with trim-ring) 2-9/32″H x 7-13/32″W x 7-1/4″D (58mm x 188mm x 183 7mm)

Nosepiece Dimensions. (without trim-ring) 1-27/32″H x 6-3/4″W x 13/16″D (46 5mm x 171 5mm x 20 2mm)

Weight .3 85 lbs (1 74kg)

IR Remote

Dimensions 3-3/8″H x 2-1/8″W x 9/32″D (85 6mm x 54mm x 7mm)

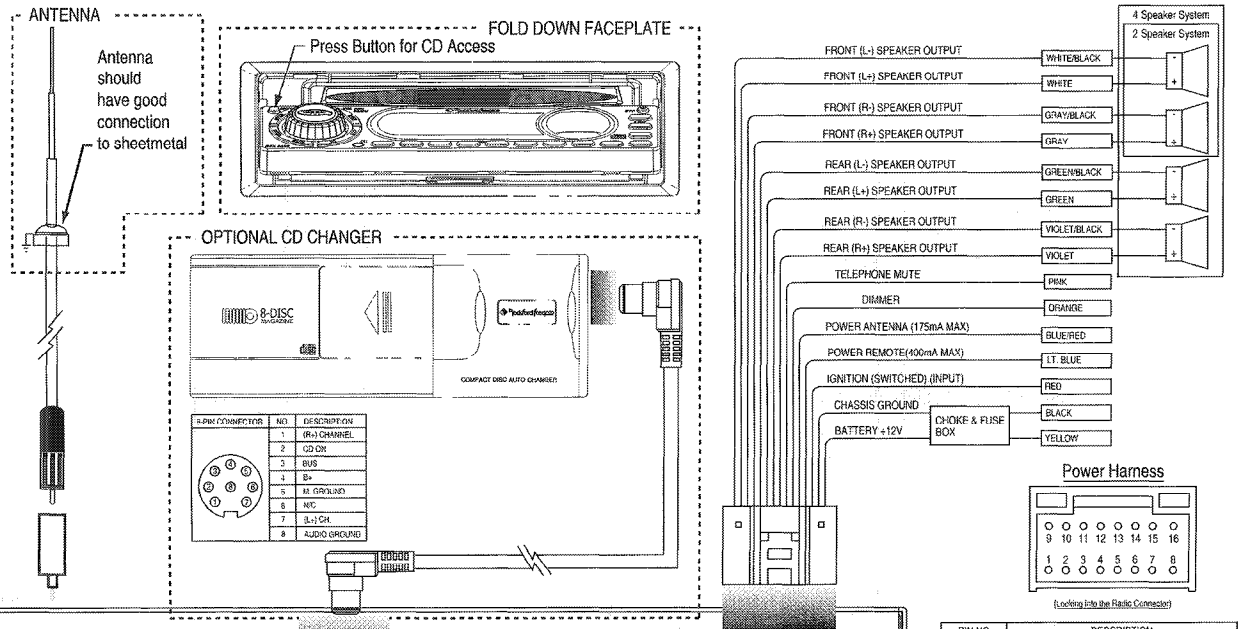
Rockford Fosgate®

Specifications subject to change without notice

RFX9200
RFX9200RDS

AM/FM ST/CD Player/Changer Control/IR Remote/Audio Switcher
RDS/AM/FM ST/CD Player/Changer Control/IR Remote/Auido Switcher

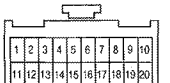
Specification Reference Sheet



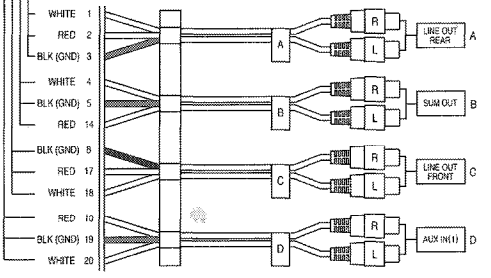
Power Harness

(Looking into the Radio Connector)

PIN NO	DESCRIPTION
1	BATTERY +12V (YELLOW)
2	CHASSIS GROUND (BLACK)
3	IGNITION +12V (RED)
4	POWER REMOTE (BLUE)
5	POWER ANTENNA (BLUE/RED)
6	DIMMER (ORANGE)
7	NC
8	TELEPHONE MUTE(PINK)
9	REAR (R+) (VIOLET)
10	REAR (R-) (VIOLET/BLACK)
11	REAR (L-) (GREEN)
12	REAR (L-) (GREEN/BLACK)
13	FRONT (R+) (GRAY)
14	FRONT (R-) (GRAY/BLACK)
15	FRONT (L+) (WHITE)
16	FRONT (L-) (WHITE/BLACK)



WIRE SIDE VIEW



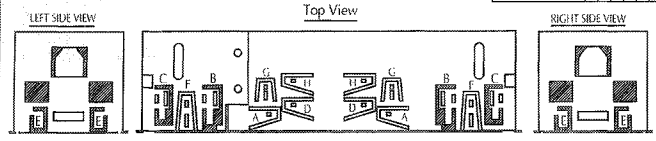
INSTALLATION METHODS

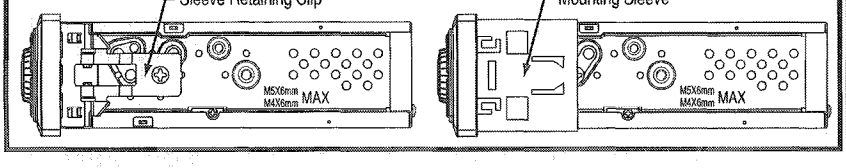
Standard Installation - Install the mounting sleeve in the instrument panel (see chart). Secure the backstrap to the rear of the radio (use the supplied M5 x 6mm screws) and tighten the screw. Slide radio into the mounting sleeve until it "clicks" into position. Replace the factory trim panel if used.

ISO-DIN Installation - Use the supplied screws (M5 x 6mm) to secure the factory mounting brackets into at least two holes on each side of the radio. Install the radio factory trim panel

Thickness of Instrument Panel	Tabs To Bend							
	A	B	C	D	E	F	G	H
1.20mm to 1.50mm					*	*		
1.20mm to 11.3mm						*		
2.00mm to 7.00mm	*					*		
0.90mm to 10.4mm		*				*		
5.20mm to 10.4mm			*			*		
6.30mm to 8.80mm				*		*		
14.0mm to 19.8mm					*		*	
18.3mm to 20.8mm								*

STANDARD INSTALLATION





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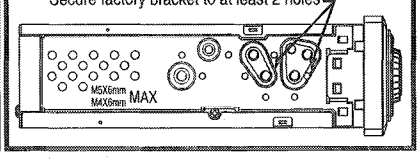

RFX9200
RFX9200RDS

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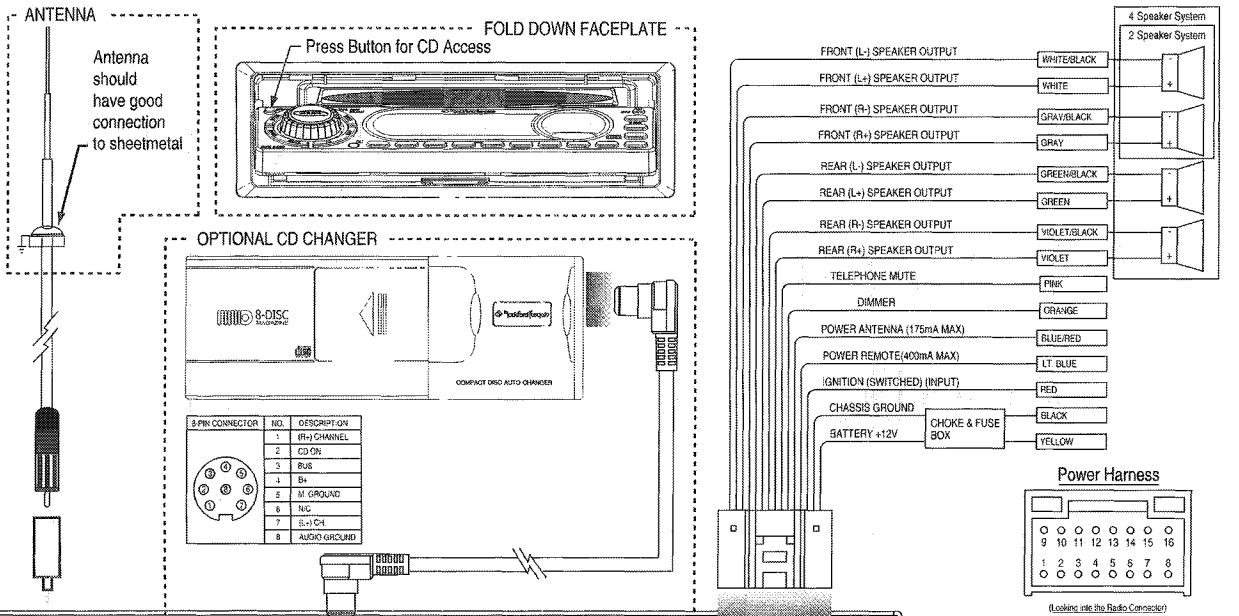

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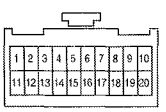

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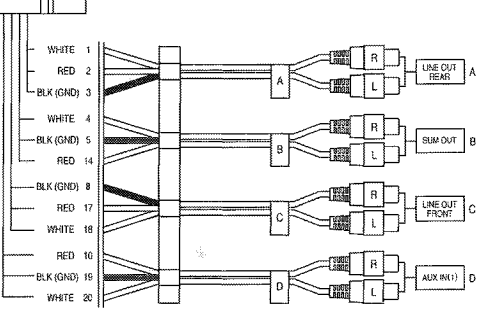

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6.30mm to 8.80mm					*	*		
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18.3mm to 20.8mm								*

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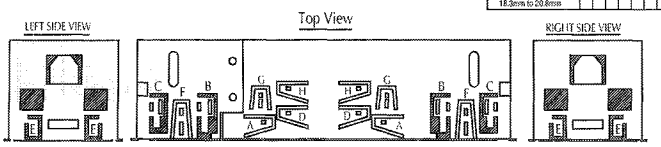

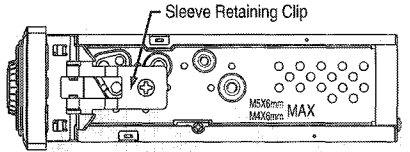

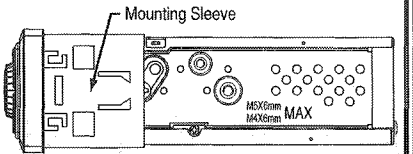

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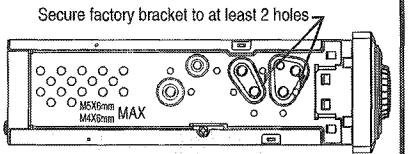

Installation assistance available at:

RFTECH

www.rockfordfosgate.com/rftech

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